

Model Specifications

MCNP simulations were used to simulate the air kerma resulting from contamination on the floor of a concrete room. Models were based on "Room Radiation Dose Coefficients for External Exposure" (Finklea 2015). Each model consisted of two concentric rectangular prisms representing the inner and outer boarders of the walls, ceiling and floor. The material of the inner prism was designated as dry air with a material composition shown in Table 1. The material of the walls, floor and ceiling was designated as concrete with a material composition consistent with "regular concrete" from PNNL-15870 (Table 2).

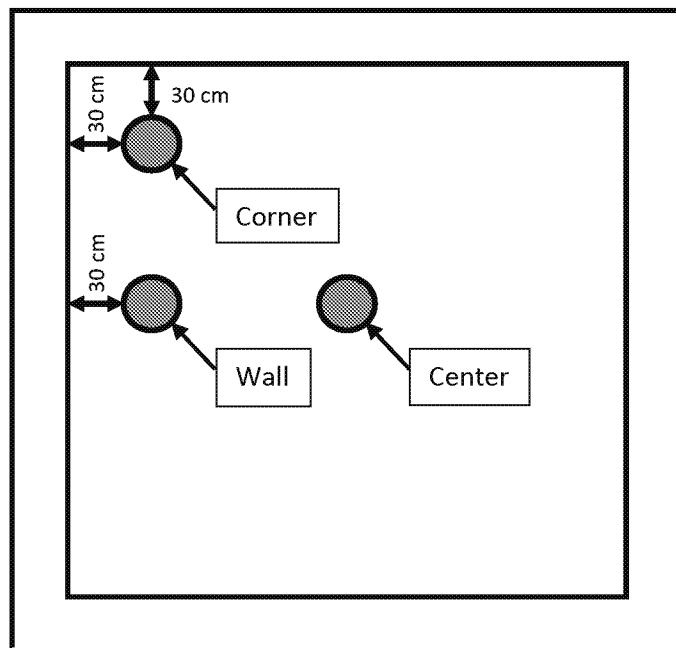
*Table [SEQ Table * ARABIC]: Material composition of air*

Element	Mass fraction
Carbon	0.000124
Nitrogen	0.755267
Oxygen	0.231781
Argon	0.012827

*Table [SEQ Table * ARABIC]: Material composition of concrete*

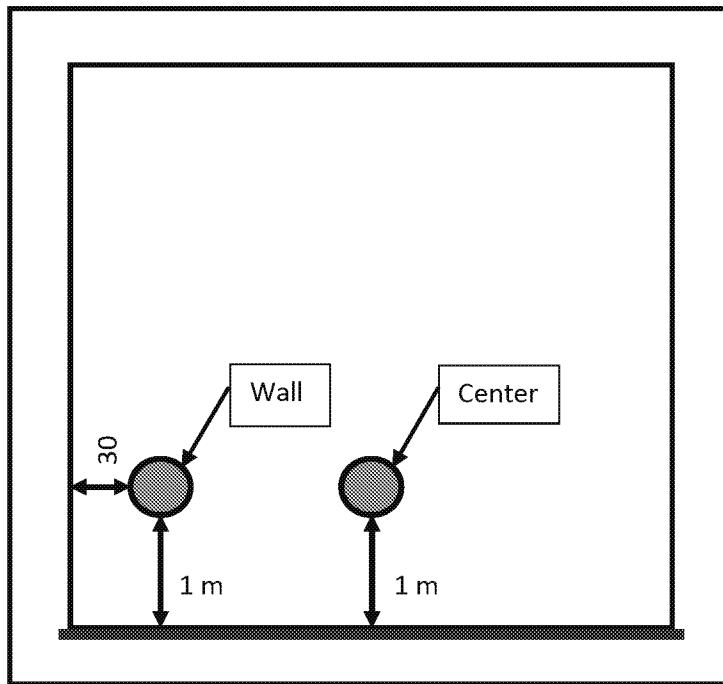
Element	Mass Fraction
Hydrogen	0.010000
Oxygen	0.532000
Sodium	0.029000
Aluminum	0.034000
Silicon	0.337000
Calcium	0.044000
Iron	0.014000

The air kerma was estimated at three receptor locations using F5 tallies as well as averaged across the entirety of the air in the room using an F4 tally. All tallies were multiplied by fluence to air kerma coefficients presented in ICRP Publication 74. The three receptor locations were the center of the room, along a wall, and the corner of the room (Figure 1). All three receptors were located 1 m above the floor. The wall receptor was located 30 cm away from the wall along the midline. The corner receptor was located 30 cm from the two adjoining walls.



*Figure [SEQ Figure * ARABIC]: Top view of room identifying receptor locations*

Room sizes of $10 \times 10 \times 10 \text{ ft}^3$, $50 \times 50 \times 50 \text{ ft}^3$, $100 \times 100 \times 10 \text{ ft}^3$, $200 \times 200 \times 20 \text{ ft}^3$, and $400 \times 400 \times 40 \text{ ft}^3$ were evaluated. All contamination was modeled as monoenergetic photons between 10 keV and 10 MeV. For each room size and photon energy, air kerma was calculated for surface contamination as well as contamination extending to 1 cm, 5 cm, 15 cm, and infinite depth. In each case, contamination was modeled to cover the top surface of the floor and extend downward to the specified depth. In order to provide continuity with previous studies, the thickness of the walls, ceiling and floor were set to be 50 cm thicker than the contamination (i.e. for 1 cm contamination, the walls, ceiling and floor are 51 cm thick).



*Figure [SEQ Figure * ARABIC]: Frontal view of room depicting floor contamination (red)*

Raw kerma values for the average across the entire room and all three receptors are presented in Tables 3-27. For purposes of comparison, these values assume 1 decay per cm^2 . Raw kerma rates were multiplied by the area of the contamination. The area corrected kerma values are presented in Tables 28-52. These values were divided by estimations of air kerma measured in open air 1 m above an infinite plane of contamination on soil to develop room ratios. Soil air kerma values were interpolated from estimates in "Room Radiation Dose Coefficients for External Exposure" (Finklea 2015). The resulting room ratios are presented in Tables 53-77.

Large error is expected to be associated with the presented room ratios. Finklea estimated the soil air kerma values for 30 monoenergetic energies and all 5 contamination depths of interest using MCNP simulations in which contamination was modeled as a $3 \times 10^5 \text{ ft}^2$ plane. For higher energies, this is less than 1 mfp in air and, therefore, overestimates the kerma from an infinite plane. To show this, several MCNP simulations have been run for comparison. These simulations model a plane of soil contamination extending 3 mfp in length and width and 100 cm in depth. In each simulation, the air kerma is calculated

at a receptor 1 m above the ground, as shown in Figure 3. The difference between Finlklea's kerma values and the results obtained thus far is shown in Figure 4.

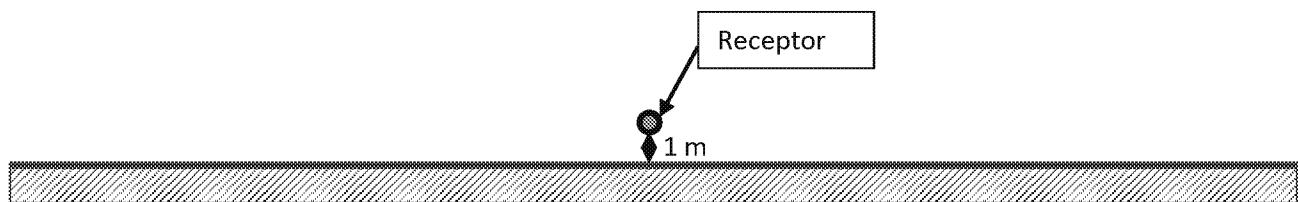


Figure 3: MCNP geometry used to calculate the air kerma 1 m above an infinite plane of soil contamination

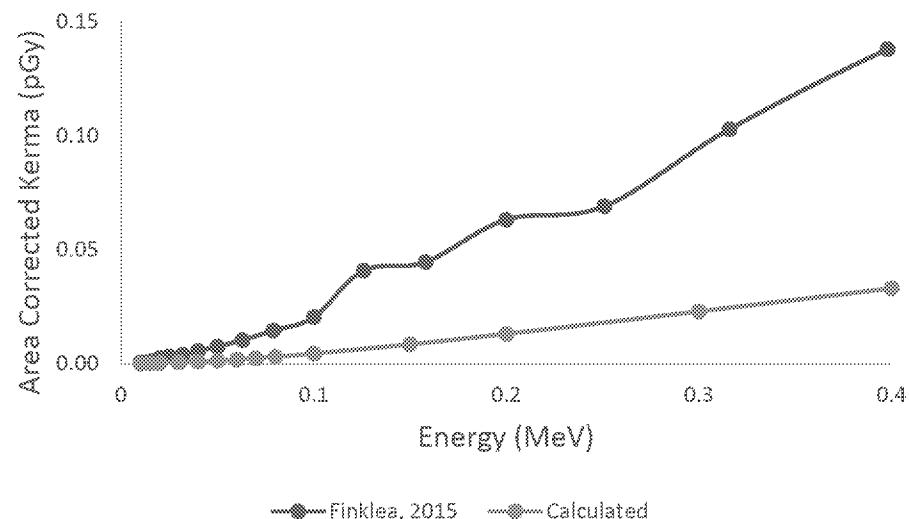


Figure 4: Comparison of air kerma estimates measured 1 m above an infinite plane of soil contamination

Raw Room Kerma Tables

Surface Contamination – Raw Kerma (pGy·cm⁻²)

*Table [SEQ Table * ARABIC]: Raw kerma from surface contamination in a 10x10x10 ft concrete room (pGy·cm⁻²)*

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.27E-05	1.21E-05	8.86E-06	6.47E-06
0.015	8.31E-06	9.23E-06	6.95E-06	5.38E-06
0.02	5.17E-06	5.87E-06	4.57E-06	3.55E-06
0.03	2.54E-06	2.90E-06	2.26E-06	1.80E-06
0.04	1.70E-06	1.95E-06	1.57E-06	1.23E-06
0.05	1.44E-06	1.64E-06	1.36E-06	1.10E-06
0.06	1.40E-06	1.60E-06	1.34E-06	1.09E-06
0.07	1.49E-06	1.72E-06	1.46E-06	1.20E-06
0.08	1.61E-06	1.86E-06	1.58E-06	1.33E-06
0.1	2.01E-06	2.31E-06	1.98E-06	1.66E-06
0.15	3.15E-06	3.63E-06	3.15E-06	2.62E-06
0.2	4.36E-06	4.97E-06	4.25E-06	3.61E-06
0.3	6.52E-06	7.46E-06	6.30E-06	5.23E-06
0.4	8.49E-06	9.62E-06	8.04E-06	6.79E-06
0.5	1.03E-05	1.16E-05	9.68E-06	8.12E-06
0.6	1.19E-05	1.34E-05	1.12E-05	9.32E-06
0.8	1.48E-05	1.67E-05	1.39E-05	1.14E-05
1	1.74E-05	1.97E-05	1.61E-05	1.35E-05
2	2.75E-05	3.11E-05	2.51E-05	2.06E-05
4	4.23E-05	4.81E-05	3.82E-05	3.14E-05
6	5.55E-05	6.34E-05	5.01E-05	4.05E-05
8	6.86E-05	7.84E-05	6.18E-05	4.99E-05
10	8.14E-05	9.32E-05	7.32E-05	5.90E-05

Table [SEQ Table * ARABIC]: Raw kerma from surface contamination in a 50x50x10 ft concrete room (pGy·cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	7.55E-07	7.45E-07	4.64E-07	2.85E-07
0.015	6.93E-07	8.61E-07	5.05E-07	3.05E-07
0.02	5.01E-07	6.44E-07	3.85E-07	2.27E-07
0.03	2.68E-07	3.44E-07	2.14E-07	1.33E-07
0.04	1.81E-07	2.29E-07	1.49E-07	9.65E-08
0.05	1.51E-07	1.89E-07	1.32E-07	8.32E-08
0.06	1.46E-07	1.82E-07	1.26E-07	8.42E-08
0.07	1.58E-07	1.96E-07	1.38E-07	9.31E-08
0.08	1.70E-07	2.08E-07	1.49E-07	1.00E-07
0.1	2.10E-07	2.57E-07	1.85E-07	1.30E-07
0.15	3.33E-07	4.06E-07	2.93E-07	2.03E-07
0.2	4.59E-07	5.61E-07	4.01E-07	2.78E-07
0.3	6.97E-07	8.57E-07	6.07E-07	4.21E-07
0.4	9.16E-07	1.13E-06	7.86E-07	5.34E-07
0.5	1.12E-06	1.38E-06	9.52E-07	6.54E-07
0.6	1.30E-06	1.62E-06	1.11E-06	7.38E-07
0.8	1.64E-06	2.04E-06	1.38E-06	9.13E-07
1	1.93E-06	2.42E-06	1.61E-06	1.07E-06
2	3.08E-06	3.89E-06	2.56E-06	1.66E-06
4	4.78E-06	6.05E-06	3.93E-06	2.53E-06
6	6.27E-06	7.93E-06	5.14E-06	3.28E-06
8	7.74E-06	9.81E-06	6.32E-06	4.01E-06
10	9.20E-06	1.16E-05	7.48E-06	4.77E-06

Table [SEQ Table * ARABIC]: Raw kerma from surface contamination in a 100x100x10 ft concrete room (pGy-cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.99E-07	1.87E-07	1.14E-07	7.04E-08
0.015	1.96E-07	2.28E-07	1.32E-07	7.69E-08
0.02	1.51E-07	1.86E-07	1.15E-07	6.18E-08
0.03	8.58E-08	1.07E-07	6.25E-08	3.75E-08
0.04	5.90E-08	7.23E-08	4.46E-08	2.71E-08
0.05	4.94E-08	6.13E-08	3.82E-08	2.41E-08
0.06	4.78E-08	5.81E-08	3.79E-08	2.40E-08
0.07	5.15E-08	6.23E-08	4.13E-08	2.65E-08
0.08	5.53E-08	6.66E-08	4.48E-08	2.93E-08
0.1	6.84E-08	8.24E-08	5.62E-08	3.70E-08
0.15	1.09E-07	1.31E-07	8.96E-08	5.96E-08
0.2	1.50E-07	1.81E-07	1.22E-07	8.18E-08
0.3	2.30E-07	2.77E-07	1.86E-07	1.23E-07
0.4	3.03E-07	3.67E-07	2.42E-07	1.59E-07
0.5	3.71E-07	4.51E-07	2.94E-07	1.92E-07
0.6	4.33E-07	5.28E-07	3.43E-07	2.24E-07
0.8	5.47E-07	6.67E-07	4.28E-07	2.74E-07
1	6.49E-07	7.93E-07	5.04E-07	3.23E-07
2	1.05E-06	1.28E-06	8.02E-07	5.01E-07
4	1.63E-06	2.00E-06	1.24E-06	7.66E-07
6	2.13E-06	2.62E-06	1.61E-06	9.95E-07
8	2.63E-06	3.24E-06	1.99E-06	1.23E-06
10	3.12E-06	3.84E-06	2.34E-06	1.45E-06

Table [SEQ Table * ARABIC]: Raw kerma from surface contamination in a 200x200x20 ft concrete room (pGy-cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	2.67E-08	4.69E-08	2.90E-08	1.76E-08
0.015	3.27E-08	5.77E-08	3.32E-08	1.90E-08
0.02	2.95E-08	4.99E-08	2.72E-08	1.53E-08
0.03	1.93E-08	3.05E-08	1.71E-08	9.61E-09
0.04	1.40E-08	2.13E-08	1.26E-08	7.23E-09
0.05	1.19E-08	1.78E-08	1.09E-08	6.35E-09
0.06	1.16E-08	1.70E-08	1.07E-08	6.41E-09
0.07	1.25E-08	1.81E-08	1.17E-08	7.05E-09
0.08	1.34E-08	1.93E-08	1.27E-08	7.78E-09
0.1	1.66E-08	2.37E-08	1.57E-08	9.89E-09
0.15	2.63E-08	3.76E-08	2.50E-08	1.59E-08
0.2	3.64E-08	5.22E-08	3.47E-08	2.18E-08
0.3	5.57E-08	8.06E-08	5.23E-08	3.34E-08
0.4	7.36E-08	1.07E-07	6.93E-08	4.36E-08
0.5	9.02E-08	1.32E-07	8.44E-08	5.28E-08
0.6	1.06E-07	1.56E-07	9.86E-08	6.13E-08
0.8	1.33E-07	1.98E-07	1.24E-07	7.64E-08
1	1.59E-07	2.36E-07	1.47E-07	9.01E-08
2	2.57E-07	3.84E-07	2.34E-07	1.41E-07
4	4.00E-07	6.05E-07	3.63E-07	2.19E-07
6	5.25E-07	7.97E-07	4.76E-07	2.87E-07
8	6.50E-07	9.88E-07	5.89E-07	3.52E-07
10	7.71E-07	1.18E-06	6.94E-07	4.15E-07

Table [SEQ Table * ARABIC]: Raw kerma from surface contamination in a 400x400x40 ft concrete room (pGy·cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	3.39E-09	1.17E-08	7.13E-09	4.43E-09
0.015	4.76E-09	1.46E-08	8.35E-09	4.83E-09
0.02	5.07E-09	1.24E-08	6.86E-09	3.90E-09
0.03	4.05E-09	8.12E-09	4.45E-09	2.46E-09
0.04	3.17E-09	5.94E-09	3.33E-09	1.87E-09
0.05	2.80E-09	5.01E-09	2.92E-09	1.68E-09
0.06	2.76E-09	4.81E-09	2.87E-09	1.69E-09
0.07	2.98E-09	5.11E-09	3.14E-09	1.89E-09
0.08	3.21E-09	5.43E-09	3.39E-09	2.07E-09
0.1	3.95E-09	6.62E-09	4.21E-09	2.60E-09
0.15	6.21E-09	1.05E-08	6.69E-09	4.19E-09
0.2	8.59E-09	1.45E-08	9.48E-09	5.80E-09
0.3	1.31E-08	2.25E-08	1.42E-08	8.75E-09
0.4	1.74E-08	3.01E-08	1.88E-08	1.15E-08
0.5	2.14E-08	3.73E-08	2.33E-08	1.40E-08
0.6	2.51E-08	4.40E-08	2.72E-08	1.62E-08
0.8	3.18E-08	5.67E-08	3.41E-08	2.03E-08
1	3.79E-08	6.76E-08	4.07E-08	2.41E-08
2	6.19E-08	1.12E-07	6.56E-08	3.84E-08
4	9.75E-08	1.78E-07	1.03E-07	6.03E-08
6	1.28E-07	2.35E-07	1.36E-07	7.93E-08
8	1.59E-07	2.92E-07	1.69E-07	9.78E-08
10	1.89E-07	3.47E-07	2.00E-07	1.17E-07

1 cm Contamination Depth – Raw Kerma (pGy·cm⁻²)

*Table [SEQ Table * ARABIC]: Raw kerma from contamination at 1 cm depth in a 10x10x10 ft concrete room (pGy·cm⁻²)*

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.36E-07	1.75E-07	1.26E-07	9.18E-08
0.015	2.93E-07	4.36E-07	3.17E-07	2.29E-07
0.02	4.24E-07	6.34E-07	4.77E-07	3.46E-07
0.03	6.42E-07	9.30E-07	6.99E-07	5.29E-07
0.04	7.47E-07	1.05E-06	8.18E-07	6.31E-07
0.05	8.25E-07	1.13E-06	8.99E-07	7.14E-07
0.06	9.32E-07	1.25E-06	1.01E-06	7.98E-07
0.07	1.09E-06	1.44E-06	1.19E-06	9.48E-07
0.08	1.24E-06	1.62E-06	1.35E-06	1.09E-06
0.1	1.62E-06	2.08E-06	1.77E-06	1.44E-06
0.15	2.67E-06	3.36E-06	2.86E-06	2.38E-06
0.2	3.72E-06	4.66E-06	3.95E-06	3.29E-06
0.3	5.69E-06	7.05E-06	5.89E-06	4.89E-06
0.4	7.39E-06	9.16E-06	7.58E-06	6.37E-06
0.5	9.10E-06	1.12E-05	9.13E-06	7.63E-06
0.6	1.06E-05	1.29E-05	1.06E-05	8.81E-06
0.8	1.33E-05	1.62E-05	1.32E-05	1.09E-05
1	1.57E-05	1.90E-05	1.54E-05	1.27E-05
2	2.52E-05	3.00E-05	2.43E-05	1.98E-05
4	3.98E-05	4.65E-05	3.72E-05	3.04E-05
6	5.20E-05	6.17E-05	4.83E-05	3.95E-05
8	6.46E-05	7.72E-05	5.99E-05	4.84E-05
10	7.68E-05	9.15E-05	7.08E-05	5.72E-05

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 1 cm depth in a 50x50x10 ft concrete room (pGy-cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	7.61E-09	9.12E-09	5.84E-09	3.82E-09
0.015	2.10E-08	2.72E-08	1.68E-08	1.06E-08
0.02	3.34E-08	4.35E-08	2.68E-08	1.67E-08
0.03	5.34E-08	6.85E-08	4.30E-08	2.71E-08
0.04	6.60E-08	8.45E-08	5.38E-08	3.39E-08
0.05	7.52E-08	9.67E-08	6.24E-08	4.05E-08
0.06	8.60E-08	1.10E-07	7.23E-08	4.73E-08
0.07	1.02E-07	1.30E-07	8.69E-08	5.76E-08
0.08	1.16E-07	1.48E-07	1.01E-07	6.61E-08
0.1	1.53E-07	1.93E-07	1.32E-07	8.94E-08
0.15	2.54E-07	3.22E-07	2.23E-07	1.50E-07
0.2	3.55E-07	4.52E-07	3.13E-07	2.09E-07
0.3	5.48E-07	7.01E-07	4.80E-07	3.22E-07
0.4	7.26E-07	9.39E-07	6.33E-07	4.22E-07
0.5	8.92E-07	1.17E-06	7.81E-07	5.15E-07
0.6	1.05E-06	1.37E-06	9.09E-07	6.02E-07
0.8	1.33E-06	1.75E-06	1.16E-06	7.51E-07
1	1.59E-06	2.10E-06	1.38E-06	8.91E-07
2	2.62E-06	3.52E-06	2.25E-06	1.44E-06
4	4.16E-06	5.60E-06	3.58E-06	2.25E-06
6	5.53E-06	7.42E-06	4.73E-06	2.96E-06
8	6.86E-06	9.20E-06	5.85E-06	3.67E-06
10	8.15E-06	1.09E-05	7.00E-06	4.31E-06

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 1 cm depth in a 100x100x10 ft concrete room (pGy-cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.99E-09	2.27E-09	1.46E-09	9.38E-10
0.015	5.71E-09	6.91E-09	4.26E-09	2.67E-09
0.02	9.42E-09	1.14E-08	6.83E-09	4.24E-09
0.03	1.55E-08	1.84E-08	1.13E-08	6.77E-09
0.04	1.94E-08	2.30E-08	1.42E-08	8.67E-09
0.05	2.24E-08	2.69E-08	1.73E-08	1.03E-08
0.06	2.59E-08	3.11E-08	1.96E-08	1.24E-08
0.07	3.07E-08	3.70E-08	2.41E-08	1.49E-08
0.08	3.52E-08	4.22E-08	2.73E-08	1.75E-08
0.1	4.65E-08	5.59E-08	3.67E-08	2.37E-08
0.15	7.77E-08	9.35E-08	6.23E-08	3.98E-08
0.2	1.09E-07	1.32E-07	8.66E-08	5.64E-08
0.3	1.70E-07	2.06E-07	1.34E-07	8.65E-08
0.4	2.27E-07	2.77E-07	1.78E-07	1.13E-07
0.5	2.80E-07	3.45E-07	2.21E-07	1.38E-07
0.6	3.30E-07	4.08E-07	2.59E-07	1.63E-07
0.8	4.21E-07	5.26E-07	3.26E-07	2.04E-07
1	5.06E-07	6.36E-07	3.93E-07	2.44E-07
2	8.48E-07	1.08E-06	6.56E-07	4.01E-07
4	1.36E-06	1.74E-06	1.06E-06	6.32E-07
6	1.82E-06	2.33E-06	1.40E-06	8.39E-07
8	2.26E-06	2.89E-06	1.75E-06	1.05E-06
10	2.69E-06	3.45E-06	2.08E-06	1.25E-06

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 1 cm depth in a 200x200x20 ft concrete room (pGy·cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	2.71E-10	5.76E-10	3.56E-10	2.42E-10
0.015	1.02E-09	1.75E-09	1.10E-09	6.65E-10
0.02	1.98E-09	2.89E-09	1.76E-09	1.09E-09
0.03	3.68E-09	4.93E-09	2.93E-09	1.75E-09
0.04	4.77E-09	6.20E-09	3.68E-09	2.23E-09
0.05	5.57E-09	7.20E-09	4.39E-09	2.63E-09
0.06	6.44E-09	8.25E-09	5.17E-09	3.17E-09
0.07	7.63E-09	9.85E-09	6.21E-09	3.90E-09
0.08	8.75E-09	1.12E-08	7.22E-09	4.51E-09
0.1	1.15E-08	1.47E-08	9.65E-09	6.07E-09
0.15	1.91E-08	2.47E-08	1.61E-08	1.02E-08
0.2	2.69E-08	3.46E-08	2.25E-08	1.42E-08
0.3	4.17E-08	5.45E-08	3.48E-08	2.19E-08
0.4	5.56E-08	7.33E-08	4.64E-08	2.90E-08
0.5	6.87E-08	9.15E-08	5.72E-08	3.55E-08
0.6	8.10E-08	1.09E-07	6.73E-08	4.11E-08
0.8	1.04E-07	1.41E-07	8.63E-08	5.30E-08
1	1.25E-07	1.71E-07	1.04E-07	6.27E-08
2	2.10E-07	2.96E-07	1.75E-07	1.04E-07
4	3.39E-07	4.91E-07	2.87E-07	1.69E-07
6	4.51E-07	6.62E-07	3.86E-07	2.26E-07
8	5.62E-07	8.28E-07	4.83E-07	2.81E-07
10	6.70E-07	9.91E-07	5.76E-07	3.34E-07

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 1 cm depth in a 400x400x40 ft concrete room (pGy-cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	3.47E-11	1.45E-10	8.73E-11	5.74E-11
0.015	1.55E-10	4.43E-10	2.66E-10	1.65E-10
0.02	3.67E-10	7.41E-10	4.43E-10	2.61E-10
0.03	8.28E-10	1.27E-09	7.46E-10	4.46E-10
0.04	1.14E-09	1.69E-09	9.61E-10	5.61E-10
0.05	1.36E-09	1.93E-09	1.15E-09	6.72E-10
0.06	1.59E-09	2.21E-09	1.36E-09	8.13E-10
0.07	1.87E-09	2.62E-09	1.61E-09	9.85E-10
0.08	2.15E-09	2.97E-09	1.87E-09	1.16E-09
0.1	2.80E-09	3.89E-09	2.50E-09	1.54E-09
0.15	4.62E-09	6.43E-09	4.13E-09	2.60E-09
0.2	6.47E-09	9.02E-09	5.77E-09	3.63E-09
0.3	1.00E-08	1.41E-08	9.00E-09	5.55E-09
0.4	1.34E-08	1.90E-08	1.19E-08	7.29E-09
0.5	1.65E-08	2.38E-08	1.47E-08	8.97E-09
0.6	1.95E-08	2.83E-08	1.72E-08	1.06E-08
0.8	2.50E-08	3.68E-08	2.19E-08	1.34E-08
1	3.01E-08	4.48E-08	2.66E-08	1.59E-08
2	5.09E-08	7.92E-08	4.58E-08	2.63E-08
4	8.29E-08	1.31E-07	7.51E-08	4.29E-08
6	1.11E-07	1.78E-07	1.01E-07	5.77E-08
8	1.38E-07	2.25E-07	1.27E-07	7.29E-08
10	1.65E-07	2.70E-07	1.52E-07	8.65E-08

5 cm Contamination Depth – Raw Kerma (pGy·cm⁻²)

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 5 cm depth in a 10x10x10 ft concrete room (pGy·cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	2.59E-08	3.32E-08	2.41E-08	1.75E-08
0.015	5.72E-08	8.18E-08	6.00E-08	4.38E-08
0.02	8.06E-08	1.20E-07	8.93E-08	6.63E-08
0.03	1.29E-07	1.87E-07	1.40E-07	1.06E-07
0.04	1.83E-07	2.67E-07	2.04E-07	1.56E-07
0.05	2.59E-07	3.67E-07	2.91E-07	2.24E-07
0.06	3.48E-07	4.89E-07	3.89E-07	3.04E-07
0.07	4.67E-07	6.49E-07	5.20E-07	4.13E-07
0.08	5.84E-07	8.09E-07	6.47E-07	5.23E-07
0.1	8.47E-07	1.17E-06	9.47E-07	7.64E-07
0.15	1.56E-06	2.10E-06	1.73E-06	1.40E-06
0.2	2.27E-06	3.08E-06	2.55E-06	2.04E-06
0.3	3.59E-06	4.89E-06	3.99E-06	3.19E-06
0.4	4.83E-06	6.59E-06	5.33E-06	4.30E-06
0.5	6.00E-06	8.27E-06	6.67E-06	5.37E-06
0.6	7.15E-06	9.72E-06	7.82E-06	6.22E-06
0.8	9.24E-06	1.25E-05	1.01E-05	8.01E-06
1	1.11E-05	1.51E-05	1.21E-05	9.60E-06
2	1.91E-05	2.50E-05	2.01E-05	1.59E-05
4	3.13E-05	4.01E-05	3.20E-05	2.56E-05
6	4.20E-05	5.36E-05	4.18E-05	3.38E-05
8	5.07E-05	6.66E-05	5.26E-05	4.24E-05
10	6.20E-05	8.35E-05	6.22E-05	4.96E-05

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 5 cm depth in a 50x50x10 ft concrete room (pGy-cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.50E-09	1.85E-09	1.15E-09	7.52E-10
0.015	4.13E-09	5.39E-09	3.34E-09	2.12E-09
0.02	6.65E-09	8.62E-09	5.28E-09	3.37E-09
0.03	1.11E-08	1.42E-08	8.89E-09	5.68E-09
0.04	1.61E-08	2.02E-08	1.29E-08	8.22E-09
0.05	2.27E-08	2.82E-08	1.84E-08	1.22E-08
0.06	3.08E-08	3.83E-08	2.56E-08	1.67E-08
0.07	4.11E-08	5.08E-08	3.44E-08	2.29E-08
0.08	5.14E-08	6.32E-08	4.36E-08	2.97E-08
0.1	7.49E-08	9.23E-08	6.36E-08	4.31E-08
0.15	1.39E-07	1.70E-07	1.19E-07	7.97E-08
0.2	2.03E-07	2.49E-07	1.73E-07	1.15E-07
0.3	3.26E-07	4.04E-07	2.79E-07	1.86E-07
0.4	4.43E-07	5.55E-07	3.76E-07	2.51E-07
0.5	5.55E-07	6.98E-07	4.65E-07	3.09E-07
0.6	6.60E-07	8.33E-07	5.54E-07	3.68E-07
0.8	8.60E-07	1.09E-06	7.17E-07	4.74E-07
1	1.05E-06	1.34E-06	8.73E-07	5.68E-07
2	1.85E-06	2.42E-06	1.55E-06	9.76E-07
4	3.11E-06	4.11E-06	2.61E-06	1.62E-06
6	4.20E-06	5.63E-06	3.58E-06	2.19E-06
8	5.28E-06	7.08E-06	4.50E-06	2.74E-06
10	6.33E-06	8.49E-06	5.39E-06	3.29E-06

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 5 cm depth in a 100x100x10 ft concrete room (pGy-cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	3.96E-10	4.59E-10	2.83E-10	1.79E-10
0.015	1.13E-09	1.40E-09	8.35E-10	5.22E-10
0.02	1.87E-09	2.25E-09	1.38E-09	8.49E-10
0.03	3.22E-09	3.81E-09	2.34E-09	1.43E-09
0.04	4.72E-09	5.58E-09	3.48E-09	2.17E-09
0.05	6.65E-09	7.81E-09	4.93E-09	3.13E-09
0.06	9.05E-09	1.06E-08	6.81E-09	4.30E-09
0.07	1.21E-08	1.41E-08	9.20E-09	5.90E-09
0.08	1.52E-08	1.75E-08	1.17E-08	7.52E-09
0.1	2.22E-08	2.57E-08	1.72E-08	1.13E-08
0.15	4.12E-08	4.79E-08	3.21E-08	2.10E-08
0.2	6.04E-08	7.00E-08	4.70E-08	3.04E-08
0.3	9.73E-08	1.13E-07	7.51E-08	4.87E-08
0.4	1.33E-07	1.54E-07	1.02E-07	6.58E-08
0.5	1.66E-07	1.94E-07	1.27E-07	8.14E-08
0.6	1.99E-07	2.33E-07	1.51E-07	9.62E-08
0.8	2.59E-07	3.05E-07	1.96E-07	1.25E-07
1	3.17E-07	3.75E-07	2.40E-07	1.49E-07
2	5.66E-07	6.81E-07	4.21E-07	2.60E-07
4	9.63E-07	1.18E-06	7.18E-07	4.35E-07
6	1.31E-06	1.63E-06	9.77E-07	5.92E-07
8	1.66E-06	2.06E-06	1.22E-06	7.41E-07
10	1.99E-06	2.48E-06	1.47E-06	8.94E-07

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 5 cm depth in a 200x200x20 ft concrete room (pGy-cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	5.41E-11	1.22E-10	6.88E-11	4.88E-11
0.015	2.03E-10	3.50E-10	2.16E-10	1.32E-10
0.02	3.94E-10	5.74E-10	3.50E-10	2.10E-10
0.03	7.68E-10	1.01E-09	6.13E-10	3.64E-10
0.04	1.17E-09	1.49E-09	9.14E-10	5.53E-10
0.05	1.67E-09	2.08E-09	1.29E-09	8.04E-10
0.06	2.27E-09	2.81E-09	1.77E-09	1.13E-09
0.07	3.04E-09	3.73E-09	2.41E-09	1.50E-09
0.08	3.80E-09	4.64E-09	3.06E-09	1.96E-09
0.1	5.55E-09	6.72E-09	4.44E-09	2.86E-09
0.15	1.03E-08	1.25E-08	8.22E-09	5.43E-09
0.2	1.50E-08	1.82E-08	1.19E-08	7.71E-09
0.3	2.41E-08	2.94E-08	1.90E-08	1.24E-08
0.4	3.28E-08	4.02E-08	2.58E-08	1.68E-08
0.5	4.11E-08	5.04E-08	3.22E-08	2.05E-08
0.6	4.91E-08	6.07E-08	3.82E-08	2.42E-08
0.8	6.42E-08	7.95E-08	4.98E-08	3.14E-08
1	7.84E-08	9.76E-08	6.09E-08	3.82E-08
2	1.40E-07	1.79E-07	1.09E-07	6.66E-08
4	2.40E-07	3.14E-07	1.86E-07	1.10E-07
6	3.27E-07	4.33E-07	2.54E-07	1.50E-07
8	4.13E-07	5.51E-07	3.23E-07	1.87E-07
10	4.95E-07	6.62E-07	3.88E-07	2.24E-07

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 5 cm depth in a 400x400x40 ft concrete room (pGy-cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	6.92E-12	3.37E-11	1.61E-11	9.42E-12
0.015	3.10E-11	8.61E-11	5.24E-11	3.09E-11
0.02	7.33E-11	1.45E-10	8.63E-11	5.32E-11
0.03	1.73E-10	2.64E-10	1.59E-10	9.99E-11
0.04	2.82E-10	3.95E-10	2.36E-10	1.45E-10
0.05	4.12E-10	5.59E-10	3.38E-10	2.08E-10
0.06	5.67E-10	7.55E-10	4.66E-10	2.93E-10
0.07	7.56E-10	1.00E-09	6.33E-10	3.91E-10
0.08	9.47E-10	1.23E-09	7.98E-10	4.94E-10
0.1	1.37E-09	1.77E-09	1.16E-09	7.22E-10
0.15	2.52E-09	3.23E-09	2.12E-09	1.35E-09
0.2	3.67E-09	4.71E-09	3.09E-09	1.97E-09
0.3	5.88E-09	7.56E-09	4.88E-09	3.12E-09
0.4	7.99E-09	1.03E-08	6.58E-09	4.18E-09
0.5	1.00E-08	1.31E-08	8.23E-09	5.16E-09
0.6	1.20E-08	1.58E-08	9.75E-09	6.19E-09
0.8	1.56E-08	2.05E-08	1.27E-08	8.01E-09
1	1.91E-08	2.51E-08	1.54E-08	9.66E-09
2	3.43E-08	4.59E-08	2.75E-08	1.67E-08
4	5.90E-08	8.07E-08	4.70E-08	2.80E-08
6	8.07E-08	1.12E-07	6.43E-08	3.82E-08
8	1.02E-07	1.42E-07	8.21E-08	4.80E-08
10	1.22E-07	1.72E-07	9.82E-08	5.82E-08

15 cm Contamination Depth – Raw Kerma (pGy·cm⁻²)

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 15 cm depth in a 10x10x10 ft concrete room (pGy·cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	7.58E-09	9.85E-09	7.15E-09	5.55E-09
0.015	1.67E-08	2.43E-08	1.81E-08	1.29E-08
0.02	2.42E-08	3.54E-08	2.58E-08	1.94E-08
0.03	3.74E-08	5.57E-08	4.12E-08	3.12E-08
0.04	5.42E-08	7.84E-08	6.00E-08	4.51E-08
0.05	7.65E-08	1.09E-07	8.48E-08	6.65E-08
0.06	1.06E-07	1.50E-07	1.18E-07	9.37E-08
0.07	1.50E-07	2.07E-07	1.64E-07	1.29E-07
0.08	1.93E-07	2.66E-07	2.12E-07	1.69E-07
0.1	3.01E-07	4.14E-07	3.32E-07	2.65E-07
0.15	6.07E-07	8.34E-07	6.75E-07	5.44E-07
0.2	9.30E-07	1.27E-06	1.04E-06	8.30E-07
0.3	1.57E-06	2.18E-06	1.77E-06	1.41E-06
0.4	2.20E-06	3.08E-06	2.45E-06	1.93E-06
0.5	2.83E-06	3.95E-06	3.17E-06	2.51E-06
0.6	3.43E-06	4.78E-06	3.95E-06	3.03E-06
0.8	4.59E-06	6.45E-06	5.44E-06	4.05E-06
1	5.71E-06	8.06E-06	6.90E-06	4.98E-06
2	1.08E-05	1.52E-05	1.19E-05	9.30E-06
4	1.91E-05	2.68E-05	2.11E-05	1.65E-05
6	2.64E-05	3.65E-05	2.90E-05	2.26E-05
8	3.34E-05	4.60E-05	3.64E-05	2.85E-05
10	4.00E-05	5.51E-05	4.37E-05	3.42E-05

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 15 cm depth in a 50x50x10 ft concrete room (pGy·cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	4.87E-10	5.84E-10	3.69E-10	2.53E-10
0.015	1.34E-09	1.74E-09	1.09E-09	6.84E-10
0.02	2.15E-09	2.80E-09	1.72E-09	1.09E-09
0.03	3.61E-09	4.61E-09	2.90E-09	1.83E-09
0.04	5.26E-09	6.65E-09	4.24E-09	2.72E-09
0.05	7.46E-09	9.34E-09	6.08E-09	3.98E-09
0.06	1.03E-08	1.28E-08	8.60E-09	5.60E-09
0.07	1.43E-08	1.75E-08	1.20E-08	7.99E-09
0.08	1.84E-08	2.25E-08	1.57E-08	1.03E-08
0.1	2.84E-08	3.43E-08	2.42E-08	1.62E-08
0.15	5.72E-08	6.90E-08	4.81E-08	3.34E-08
0.2	8.73E-08	1.06E-07	7.36E-08	5.05E-08
0.3	1.48E-07	1.79E-07	1.26E-07	8.48E-08
0.4	2.08E-07	2.52E-07	1.75E-07	1.18E-07
0.5	2.67E-07	3.25E-07	2.24E-07	1.49E-07
0.6	3.25E-07	3.96E-07	2.71E-07	1.82E-07
0.8	4.36E-07	5.36E-07	3.59E-07	2.37E-07
1	5.45E-07	6.75E-07	4.51E-07	2.94E-07
2	1.04E-06	1.32E-06	8.55E-07	5.56E-07
4	1.90E-06	2.42E-06	1.56E-06	9.92E-07
6	2.65E-06	3.42E-06	2.18E-06	1.39E-06
8	3.39E-06	4.39E-06	2.76E-06	1.77E-06
10	4.10E-06	5.33E-06	3.36E-06	2.13E-06

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 15 cm depth in a 100x100x10 ft concrete room (pGy-cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.29E-10	1.55E-10	9.39E-11	6.27E-11
0.015	3.73E-10	4.56E-10	2.72E-10	1.71E-10
0.02	6.15E-10	7.44E-10	4.52E-10	2.73E-10
0.03	1.06E-09	1.25E-09	7.61E-10	4.74E-10
0.04	1.55E-09	1.84E-09	1.14E-09	7.15E-10
0.05	2.21E-09	2.58E-09	1.66E-09	1.03E-09
0.06	3.08E-09	3.59E-09	2.36E-09	1.49E-09
0.07	4.24E-09	4.93E-09	3.24E-09	2.08E-09
0.08	5.48E-09	6.33E-09	4.20E-09	2.70E-09
0.1	8.45E-09	9.66E-09	6.59E-09	4.31E-09
0.15	1.70E-08	1.95E-08	1.33E-08	8.80E-09
0.2	2.60E-08	2.97E-08	2.03E-08	1.35E-08
0.3	4.40E-08	5.09E-08	3.36E-08	2.24E-08
0.4	6.17E-08	7.07E-08	4.75E-08	3.13E-08
0.5	7.91E-08	9.06E-08	6.12E-08	4.02E-08
0.6	9.62E-08	1.10E-07	7.35E-08	4.79E-08
0.8	1.30E-07	1.50E-07	9.79E-08	6.35E-08
1	1.62E-07	1.87E-07	1.22E-07	7.79E-08
2	3.13E-07	3.65E-07	2.34E-07	1.47E-07
4	5.73E-07	6.74E-07	4.23E-07	2.62E-07
6	8.05E-07	9.51E-07	5.92E-07	3.66E-07
8	1.03E-06	1.22E-06	7.52E-07	4.69E-07
10	1.24E-06	1.48E-06	9.08E-07	5.65E-07

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 15 cm depth in a 200x200x20 ft concrete room (pGy·cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.81E-11	4.43E-11	2.31E-11	2.12E-11
0.015	6.73E-11	1.17E-10	6.77E-11	4.31E-11
0.02	1.31E-10	1.91E-10	1.13E-10	6.85E-11
0.03	2.54E-10	3.41E-10	2.03E-10	1.19E-10
0.04	3.87E-10	4.94E-10	3.00E-10	1.84E-10
0.05	5.57E-10	6.92E-10	4.35E-10	2.69E-10
0.06	7.79E-10	9.66E-10	6.17E-10	3.78E-10
0.07	1.07E-09	1.31E-09	8.46E-10	5.38E-10
0.08	1.38E-09	1.68E-09	1.11E-09	7.03E-10
0.1	2.13E-09	2.55E-09	1.72E-09	1.08E-09
0.15	4.26E-09	5.07E-09	3.42E-09	2.22E-09
0.2	6.50E-09	7.71E-09	5.18E-09	3.39E-09
0.3	1.10E-08	1.31E-08	8.69E-09	5.68E-09
0.4	1.54E-08	1.83E-08	1.21E-08	7.80E-09
0.5	1.98E-08	2.36E-08	1.54E-08	1.01E-08
0.6	2.40E-08	2.86E-08	1.86E-08	1.22E-08
0.8	3.23E-08	3.86E-08	2.49E-08	1.59E-08
1	4.05E-08	4.85E-08	3.10E-08	1.98E-08
2	7.82E-08	9.51E-08	5.92E-08	3.70E-08
4	1.43E-07	1.76E-07	1.08E-07	6.63E-08
6	2.02E-07	2.50E-07	1.51E-07	9.30E-08
8	2.58E-07	3.21E-07	1.93E-07	1.18E-07
10	3.12E-07	3.89E-07	2.33E-07	1.43E-07

Table [SEQ Table * ARABIC]: Raw kerma from contamination at 15 cm depth in a 400x400x40 ft concrete room (pGy-cm²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	2.30E-12	1.12E-11	4.90E-12	2.88E-12
0.015	1.03E-11	3.29E-11	1.61E-11	9.44E-12
0.02	2.44E-11	4.85E-11	2.74E-11	1.60E-11
0.03	5.75E-11	8.64E-11	5.43E-11	3.10E-11
0.04	9.38E-11	1.30E-10	7.82E-11	4.88E-11
0.05	1.38E-10	1.87E-10	1.15E-10	6.94E-11
0.06	1.95E-10	2.58E-10	1.61E-10	9.95E-11
0.07	2.68E-10	3.45E-10	2.22E-10	1.40E-10
0.08	3.46E-10	4.46E-10	2.90E-10	1.81E-10
0.1	5.30E-10	6.77E-10	4.46E-10	2.79E-10
0.15	1.05E-09	1.33E-09	8.78E-10	5.64E-10
0.2	1.60E-09	2.00E-09	1.33E-09	8.73E-10
0.3	2.70E-09	3.36E-09	2.24E-09	1.44E-09
0.4	3.78E-09	4.73E-09	3.11E-09	2.01E-09
0.5	4.85E-09	6.07E-09	3.97E-09	2.56E-09
0.6	5.90E-09	7.37E-09	4.80E-09	3.11E-09
0.8	7.95E-09	9.94E-09	6.40E-09	4.10E-09
1	9.95E-09	1.24E-08	7.99E-09	4.94E-09
2	1.93E-08	2.44E-08	1.50E-08	9.30E-09
4	3.54E-08	4.54E-08	2.73E-08	1.69E-08
6	4.99E-08	6.43E-08	3.83E-08	2.34E-08
8	6.40E-08	8.27E-08	4.90E-08	3.00E-08
10	7.74E-08	1.00E-07	5.95E-08	3.60E-08

Infinite Contamination Depth – Raw Kerma (pGy·cm⁻²)

*Table [SEQ Table * ARABIC]: Raw kerma from contamination at infinite depth in a 10x10x10 ft concrete room (pGy·cm⁻²)*

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	4.93E-10	6.38E-10	4.67E-10	3.22E-10
0.015	1.08E-09	1.58E-09	1.16E-09	8.39E-10
0.02	1.55E-09	2.31E-09	1.70E-09	1.27E-09
0.03	2.46E-09	3.61E-09	2.73E-09	2.05E-09
0.04	3.60E-09	5.18E-09	3.93E-09	3.00E-09
0.05	5.04E-09	7.22E-09	5.59E-09	4.33E-09
0.06	7.05E-09	1.00E-08	7.94E-09	6.10E-09
0.07	9.81E-09	1.37E-08	1.09E-08	8.51E-09
0.08	1.28E-08	1.77E-08	1.42E-08	1.12E-08
0.1	1.99E-08	2.72E-08	2.20E-08	1.78E-08
0.15	4.01E-08	5.51E-08	4.49E-08	3.57E-08
0.2	6.26E-08	8.55E-08	6.89E-08	5.51E-08
0.3	1.07E-07	1.49E-07	1.18E-07	9.41E-08
0.4	1.53E-07	2.11E-07	1.67E-07	1.33E-07
0.5	1.99E-07	2.78E-07	2.20E-07	1.73E-07
0.6	2.44E-07	3.42E-07	2.73E-07	2.09E-07
0.8	3.40E-07	4.80E-07	3.73E-07	2.96E-07
1	4.30E-07	6.12E-07	4.76E-07	3.75E-07
2	9.00E-07	1.32E-06	9.95E-07	7.72E-07
4	1.85E-06	2.63E-06	2.02E-06	1.56E-06
6	2.73E-06	3.93E-06	3.01E-06	2.32E-06
8	3.60E-06	5.19E-06	3.96E-06	3.09E-06
10	4.44E-06	6.43E-06	4.85E-06	3.80E-06

Table [SEQ Table * ARABIC]: Raw kerma from contamination at infinite depth in a 50x50x10 ft concrete room (pGy·cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	5.97E-11	7.61E-11	4.48E-11	3.00E-11
0.015	1.65E-10	2.12E-10	1.37E-10	8.39E-11
0.02	2.62E-10	3.41E-10	2.13E-10	1.32E-10
0.03	4.40E-10	5.72E-10	3.58E-10	2.27E-10
0.04	6.40E-10	8.11E-10	5.25E-10	3.33E-10
0.05	9.06E-10	1.13E-09	7.49E-10	4.88E-10
0.06	1.26E-09	1.56E-09	1.05E-09	7.03E-10
0.07	1.74E-09	2.15E-09	1.47E-09	9.75E-10
0.08	2.25E-09	2.75E-09	1.91E-09	1.27E-09
0.1	3.48E-09	4.25E-09	2.94E-09	2.00E-09
0.15	7.07E-09	8.55E-09	6.07E-09	4.10E-09
0.2	1.09E-08	1.32E-08	9.09E-09	6.31E-09
0.3	1.87E-08	2.27E-08	1.56E-08	1.06E-08
0.4	2.66E-08	3.21E-08	2.21E-08	1.48E-08
0.5	3.46E-08	4.17E-08	2.87E-08	1.92E-08
0.6	4.25E-08	5.15E-08	3.50E-08	2.32E-08
0.8	5.84E-08	7.11E-08	4.75E-08	3.13E-08
1	7.44E-08	9.07E-08	6.13E-08	3.98E-08
2	1.54E-07	1.90E-07	1.26E-07	8.30E-08
4	3.11E-07	3.84E-07	2.51E-07	1.66E-07
6	4.61E-07	5.68E-07	3.73E-07	2.46E-07
8	6.07E-07	7.47E-07	4.91E-07	3.24E-07
10	7.49E-07	9.24E-07	6.02E-07	4.03E-07

Table [SEQ Table * ARABIC]: Raw kerma from contamination at infinite depth in a 100x100x10 ft concrete room (pGy-cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.72E-11	2.04E-11	1.26E-11	1.13E-11
0.015	5.02E-11	6.16E-11	3.90E-11	2.76E-11
0.02	8.24E-11	1.02E-10	6.22E-11	3.96E-11
0.03	1.43E-10	1.74E-10	1.04E-10	7.04E-11
0.04	2.10E-10	2.47E-10	1.59E-10	1.00E-10
0.05	2.97E-10	3.52E-10	2.27E-10	1.43E-10
0.06	4.15E-10	4.84E-10	3.10E-10	2.04E-10
0.07	5.72E-10	6.66E-10	4.33E-10	2.84E-10
0.08	7.39E-10	8.51E-10	5.65E-10	3.72E-10
0.1	1.14E-09	1.31E-09	8.84E-10	5.81E-10
0.15	2.32E-09	2.67E-09	1.81E-09	1.21E-09
0.2	3.57E-09	4.11E-09	2.76E-09	1.85E-09
0.3	6.13E-09	7.00E-09	4.69E-09	3.16E-09
0.4	8.70E-09	9.96E-09	6.62E-09	4.46E-09
0.5	1.13E-08	1.29E-08	8.62E-09	5.75E-09
0.6	1.39E-08	1.59E-08	1.05E-08	7.02E-09
0.8	1.90E-08	2.19E-08	1.43E-08	9.56E-09
1	2.42E-08	2.78E-08	1.82E-08	1.19E-08
2	5.04E-08	5.78E-08	3.76E-08	2.46E-08
4	1.01E-07	1.16E-07	7.43E-08	4.89E-08
6	1.50E-07	1.72E-07	1.10E-07	7.28E-08
8	1.97E-07	2.26E-07	1.44E-07	9.53E-08
10	2.43E-07	2.81E-07	1.77E-07	1.18E-07

Table [SEQ Table * ARABIC]: Raw kerma from contamination at infinite depth in a 200x200x20 ft concrete room (pGy-cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	2.54E-12	5.29E-12	3.18E-12	2.69E-12
0.015	9.45E-12	1.65E-11	1.07E-11	6.72E-12
0.02	1.85E-11	2.93E-11	1.75E-11	1.03E-11
0.03	3.60E-11	5.13E-11	2.96E-11	1.72E-11
0.04	5.52E-11	6.99E-11	4.29E-11	2.57E-11
0.05	7.92E-11	9.90E-11	6.04E-11	3.72E-11
0.06	1.11E-10	1.35E-10	8.66E-11	5.83E-11
0.07	1.52E-10	1.89E-10	1.19E-10	7.70E-11
0.08	1.96E-10	2.39E-10	1.56E-10	1.03E-10
0.1	3.03E-10	3.65E-10	2.41E-10	1.59E-10
0.15	6.12E-10	7.34E-10	4.92E-10	3.21E-10
0.2	9.41E-10	1.12E-09	7.51E-10	4.98E-10
0.3	1.61E-09	1.91E-09	1.27E-09	8.38E-10
0.4	2.29E-09	2.71E-09	1.80E-09	1.18E-09
0.5	2.97E-09	3.53E-09	2.33E-09	1.52E-09
0.6	3.65E-09	4.35E-09	2.85E-09	1.86E-09
0.8	5.01E-09	5.92E-09	3.86E-09	2.53E-09
1	6.38E-09	7.50E-09	4.92E-09	3.19E-09
2	1.32E-08	1.57E-08	1.01E-08	6.48E-09
4	2.67E-08	3.18E-08	2.01E-08	1.31E-08
6	3.95E-08	4.72E-08	3.00E-08	1.96E-08
8	5.20E-08	6.19E-08	3.90E-08	2.52E-08
10	6.40E-08	7.64E-08	4.88E-08	3.11E-08

Table [SEQ Table * ARABIC]: Row kerma from contamination at infinite depth in a 400x400x40 ft concrete room (pGy-cm⁻²)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	3.31E-13	1.24E-12	1.07E-12	6.42E-13
0.015	1.47E-12	4.00E-12	2.80E-12	1.75E-12
0.02	3.53E-12	6.86E-12	4.19E-12	2.58E-12
0.03	8.38E-12	1.31E-11	7.36E-12	4.10E-12
0.04	1.37E-11	1.90E-11	1.12E-11	6.33E-12
0.05	2.02E-11	2.78E-11	1.69E-11	8.65E-12
0.06	2.84E-11	3.76E-11	2.37E-11	1.41E-11
0.07	3.92E-11	5.06E-11	3.23E-11	1.91E-11
0.08	5.06E-11	6.43E-11	4.19E-11	2.59E-11
0.1	7.76E-11	9.77E-11	6.79E-11	3.86E-11
0.15	1.56E-10	1.92E-10	1.27E-10	7.94E-11
0.2	2.38E-10	2.95E-10	1.95E-10	1.23E-10
0.3	4.07E-10	5.01E-10	3.41E-10	2.08E-10
0.4	5.77E-10	7.11E-10	4.76E-10	3.09E-10
0.5	7.49E-10	9.19E-10	6.16E-10	4.00E-10
0.6	9.20E-10	1.13E-09	7.65E-10	4.80E-10
0.8	1.26E-09	1.55E-09	1.01E-09	6.47E-10
1	1.61E-09	1.98E-09	1.30E-09	8.12E-10
2	3.36E-09	4.08E-09	2.64E-09	1.67E-09
4	6.77E-09	8.23E-09	5.32E-09	3.32E-09
6	1.00E-08	1.23E-08	7.89E-09	4.92E-09
8	1.32E-08	1.62E-08	1.03E-08	6.48E-09
10	1.63E-08	2.03E-08	1.27E-08	7.95E-09

Area Corrected Room Kerma Tables

Surface Contamination – Area Corrected Kerma (pGy)

*Table [SEQ Table * ARABIC]: Area corrected kerma from surface contamination in a 10x10x10 ft concrete room (pGy)*

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.18E+00	1.12E+00	8.23E-01	6.01E-01
0.015	7.72E-01	8.58E-01	6.46E-01	5.00E-01
0.02	4.80E-01	5.46E-01	4.25E-01	3.30E-01
0.03	2.36E-01	2.69E-01	2.10E-01	1.67E-01
0.04	1.58E-01	1.81E-01	1.46E-01	1.14E-01
0.05	1.34E-01	1.53E-01	1.26E-01	1.02E-01
0.06	1.30E-01	1.49E-01	1.24E-01	1.01E-01
0.07	1.38E-01	1.60E-01	1.35E-01	1.12E-01
0.08	1.49E-01	1.73E-01	1.47E-01	1.23E-01
0.1	1.86E-01	2.15E-01	1.84E-01	1.54E-01
0.15	2.93E-01	3.37E-01	2.93E-01	2.44E-01
0.2	4.05E-01	4.62E-01	3.95E-01	3.35E-01
0.3	6.05E-01	6.93E-01	5.86E-01	4.86E-01
0.4	7.89E-01	8.94E-01	7.47E-01	6.31E-01
0.5	9.57E-01	1.08E+00	8.99E-01	7.54E-01
0.6	1.11E+00	1.25E+00	1.04E+00	8.66E-01
0.8	1.37E+00	1.55E+00	1.29E+00	1.06E+00
1	1.62E+00	1.83E+00	1.50E+00	1.25E+00
2	2.55E+00	2.89E+00	2.33E+00	1.92E+00
4	3.93E+00	4.47E+00	3.55E+00	2.91E+00
6	5.16E+00	5.89E+00	4.65E+00	3.77E+00
8	6.37E+00	7.29E+00	5.74E+00	4.63E+00
10	7.56E+00	8.65E+00	6.80E+00	5.48E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from surface contamination in a 50x50x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.75E+00	1.73E+00	1.08E+00	6.62E-01
0.015	1.61E+00	2.00E+00	1.17E+00	7.08E-01
0.02	1.16E+00	1.49E+00	8.93E-01	5.26E-01
0.03	6.23E-01	7.98E-01	4.98E-01	3.09E-01
0.04	4.20E-01	5.33E-01	3.45E-01	2.24E-01
0.05	3.51E-01	4.40E-01	3.07E-01	1.93E-01
0.06	3.40E-01	4.23E-01	2.93E-01	1.96E-01
0.07	3.67E-01	4.55E-01	3.20E-01	2.16E-01
0.08	3.94E-01	4.84E-01	3.45E-01	2.33E-01
0.1	4.87E-01	5.96E-01	4.29E-01	3.03E-01
0.15	7.74E-01	9.44E-01	6.81E-01	4.72E-01
0.2	1.07E+00	1.30E+00	9.31E-01	6.45E-01
0.3	1.62E+00	1.99E+00	1.41E+00	9.77E-01
0.4	2.13E+00	2.62E+00	1.83E+00	1.24E+00
0.5	2.60E+00	3.21E+00	2.21E+00	1.52E+00
0.6	3.03E+00	3.77E+00	2.57E+00	1.71E+00
0.8	3.80E+00	4.75E+00	3.21E+00	2.12E+00
1	4.49E+00	5.61E+00	3.73E+00	2.49E+00
2	7.16E+00	9.03E+00	5.94E+00	3.85E+00
4	1.11E+01	1.40E+01	9.13E+00	5.87E+00
6	1.46E+01	1.84E+01	1.19E+01	7.62E+00
8	1.80E+01	2.28E+01	1.47E+01	9.31E+00
10	2.14E+01	2.70E+01	1.74E+01	1.11E+01

Table [SEQ Table * ARABIC]: Area corrected kerma from surface contamination in a 100x100x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.85E+00	1.74E+00	1.06E+00	6.54E-01
0.015	1.82E+00	2.12E+00	1.22E+00	7.14E-01
0.02	1.41E+00	1.73E+00	1.07E+00	5.74E-01
0.03	7.97E-01	9.96E-01	5.80E-01	3.49E-01
0.04	5.48E-01	6.71E-01	4.14E-01	2.52E-01
0.05	4.59E-01	5.70E-01	3.55E-01	2.24E-01
0.06	4.44E-01	5.40E-01	3.52E-01	2.23E-01
0.07	4.78E-01	5.79E-01	3.84E-01	2.46E-01
0.08	5.14E-01	6.19E-01	4.16E-01	2.73E-01
0.1	6.35E-01	7.65E-01	5.22E-01	3.44E-01
0.15	1.01E+00	1.22E+00	8.32E-01	5.54E-01
0.2	1.40E+00	1.68E+00	1.14E+00	7.60E-01
0.3	2.14E+00	2.58E+00	1.73E+00	1.15E+00
0.4	2.81E+00	3.41E+00	2.25E+00	1.48E+00
0.5	3.45E+00	4.19E+00	2.74E+00	1.79E+00
0.6	4.03E+00	4.91E+00	3.19E+00	2.08E+00
0.8	5.08E+00	6.20E+00	3.98E+00	2.54E+00
1	6.03E+00	7.37E+00	4.69E+00	3.00E+00
2	9.71E+00	1.19E+01	7.45E+00	4.66E+00
4	1.51E+01	1.85E+01	1.15E+01	7.12E+00
6	1.98E+01	2.43E+01	1.50E+01	9.24E+00
8	2.45E+01	3.01E+01	1.84E+01	1.14E+01
10	2.90E+01	3.57E+01	2.18E+01	1.34E+01

Table [SEQ Table * ARABIC]: Area corrected kerma from surface contamination in a 200x200x20 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	9.91E-01	1.74E+00	1.08E+00	6.53E-01
0.015	1.22E+00	2.15E+00	1.23E+00	7.05E-01
0.02	1.09E+00	1.86E+00	1.01E+00	5.68E-01
0.03	7.19E-01	1.13E+00	6.35E-01	3.57E-01
0.04	5.19E-01	7.92E-01	4.66E-01	2.69E-01
0.05	4.43E-01	6.63E-01	4.04E-01	2.36E-01
0.06	4.32E-01	6.33E-01	3.97E-01	2.38E-01
0.07	4.65E-01	6.74E-01	4.34E-01	2.62E-01
0.08	5.00E-01	7.18E-01	4.71E-01	2.89E-01
0.1	6.18E-01	8.80E-01	5.84E-01	3.68E-01
0.15	9.78E-01	1.40E+00	9.30E-01	5.93E-01
0.2	1.35E+00	1.94E+00	1.29E+00	8.12E-01
0.3	2.07E+00	2.99E+00	1.94E+00	1.24E+00
0.4	2.73E+00	3.99E+00	2.58E+00	1.62E+00
0.5	3.35E+00	4.92E+00	3.14E+00	1.96E+00
0.6	3.92E+00	5.78E+00	3.66E+00	2.28E+00
0.8	4.96E+00	7.36E+00	4.61E+00	2.84E+00
1	5.89E+00	8.77E+00	5.47E+00	3.35E+00
2	9.53E+00	1.43E+01	8.69E+00	5.24E+00
4	1.49E+01	2.25E+01	1.35E+01	8.12E+00
6	1.95E+01	2.96E+01	1.77E+01	1.06E+01
8	2.42E+01	3.67E+01	2.19E+01	1.31E+01
10	2.86E+01	4.37E+01	2.58E+01	1.54E+01

Table [SEQ Table * ARABIC]: Area corrected kerma from surface contamination in a 400x400x40 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	5.05E-01	1.74E+00	1.06E+00	6.58E-01
0.015	7.08E-01	2.17E+00	1.24E+00	7.19E-01
0.02	7.54E-01	1.84E+00	1.02E+00	5.80E-01
0.03	6.02E-01	1.21E+00	6.62E-01	3.66E-01
0.04	4.71E-01	8.82E-01	4.95E-01	2.77E-01
0.05	4.16E-01	7.44E-01	4.34E-01	2.49E-01
0.06	4.10E-01	7.14E-01	4.27E-01	2.52E-01
0.07	4.42E-01	7.60E-01	4.66E-01	2.80E-01
0.08	4.77E-01	8.06E-01	5.04E-01	3.08E-01
0.1	5.87E-01	9.84E-01	6.26E-01	3.87E-01
0.15	9.24E-01	1.55E+00	9.95E-01	6.23E-01
0.2	1.28E+00	2.15E+00	1.41E+00	8.62E-01
0.3	1.95E+00	3.35E+00	2.11E+00	1.30E+00
0.4	2.58E+00	4.47E+00	2.79E+00	1.72E+00
0.5	3.18E+00	5.55E+00	3.47E+00	2.08E+00
0.6	3.72E+00	6.54E+00	4.05E+00	2.41E+00
0.8	4.72E+00	8.43E+00	5.07E+00	3.02E+00
1	5.63E+00	1.00E+01	6.04E+00	3.58E+00
2	9.20E+00	1.66E+01	9.76E+00	5.71E+00
4	1.45E+01	2.64E+01	1.53E+01	8.96E+00
6	1.91E+01	3.49E+01	2.02E+01	1.18E+01
8	2.37E+01	4.34E+01	2.51E+01	1.45E+01
10	2.81E+01	5.16E+01	2.97E+01	1.73E+01

1 cm Contamination Depth - Area Corrected Kerma (pGy)

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 1 cm depth in a 10x10x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.26E-02	1.62E-02	1.17E-02	8.53E-03
0.015	2.72E-02	4.05E-02	2.94E-02	2.13E-02
0.02	3.94E-02	5.89E-02	4.43E-02	3.21E-02
0.03	5.97E-02	8.64E-02	6.49E-02	4.91E-02
0.04	6.94E-02	9.78E-02	7.60E-02	5.87E-02
0.05	7.66E-02	1.05E-01	8.35E-02	6.63E-02
0.06	8.66E-02	1.16E-01	9.38E-02	7.41E-02
0.07	1.01E-01	1.34E-01	1.11E-01	8.81E-02
0.08	1.15E-01	1.50E-01	1.25E-01	1.01E-01
0.1	1.51E-01	1.93E-01	1.65E-01	1.33E-01
0.15	2.48E-01	3.13E-01	2.66E-01	2.21E-01
0.2	3.46E-01	4.33E-01	3.67E-01	3.05E-01
0.3	5.29E-01	6.55E-01	5.47E-01	4.55E-01
0.4	6.87E-01	8.51E-01	7.04E-01	5.92E-01
0.5	8.46E-01	1.04E+00	8.49E-01	7.09E-01
0.6	9.82E-01	1.20E+00	9.86E-01	8.19E-01
0.8	1.23E+00	1.50E+00	1.22E+00	1.01E+00
1	1.46E+00	1.76E+00	1.43E+00	1.18E+00
2	2.34E+00	2.79E+00	2.25E+00	1.84E+00
4	3.70E+00	4.32E+00	3.45E+00	2.83E+00
6	4.83E+00	5.73E+00	4.49E+00	3.67E+00
8	6.00E+00	7.17E+00	5.56E+00	4.49E+00
10	7.13E+00	8.50E+00	6.57E+00	5.31E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 1 cm depth in a 50x50x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.77E-02	2.12E-02	1.36E-02	8.86E-03
0.015	4.88E-02	6.32E-02	3.91E-02	2.45E-02
0.02	7.76E-02	1.01E-01	6.22E-02	3.88E-02
0.03	1.24E-01	1.59E-01	9.99E-02	6.30E-02
0.04	1.53E-01	1.96E-01	1.25E-01	7.88E-02
0.05	1.75E-01	2.24E-01	1.45E-01	9.41E-02
0.06	2.00E-01	2.57E-01	1.68E-01	1.10E-01
0.07	2.36E-01	3.01E-01	2.02E-01	1.34E-01
0.08	2.70E-01	3.43E-01	2.34E-01	1.53E-01
0.1	3.55E-01	4.49E-01	3.07E-01	2.08E-01
0.15	5.89E-01	7.47E-01	5.19E-01	3.49E-01
0.2	8.25E-01	1.05E+00	7.27E-01	4.86E-01
0.3	1.27E+00	1.63E+00	1.12E+00	7.48E-01
0.4	1.69E+00	2.18E+00	1.47E+00	9.80E-01
0.5	2.07E+00	2.71E+00	1.81E+00	1.20E+00
0.6	2.44E+00	3.19E+00	2.11E+00	1.40E+00
0.8	3.09E+00	4.06E+00	2.69E+00	1.74E+00
1	3.69E+00	4.88E+00	3.21E+00	2.07E+00
2	6.08E+00	8.17E+00	5.21E+00	3.34E+00
4	9.67E+00	1.30E+01	8.31E+00	5.22E+00
6	1.28E+01	1.72E+01	1.10E+01	6.88E+00
8	1.59E+01	2.14E+01	1.36E+01	8.51E+00
10	1.89E+01	2.53E+01	1.63E+01	1.00E+01

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 1 cm depth in a 100x100x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.85E-02	2.11E-02	1.36E-02	8.72E-03
0.015	5.31E-02	6.42E-02	3.96E-02	2.48E-02
0.02	8.75E-02	1.06E-01	6.34E-02	3.94E-02
0.03	1.44E-01	1.71E-01	1.05E-01	6.29E-02
0.04	1.80E-01	2.14E-01	1.32E-01	8.05E-02
0.05	2.08E-01	2.50E-01	1.61E-01	9.54E-02
0.06	2.40E-01	2.89E-01	1.82E-01	1.15E-01
0.07	2.85E-01	3.43E-01	2.24E-01	1.39E-01
0.08	3.27E-01	3.92E-01	2.54E-01	1.63E-01
0.1	4.32E-01	5.19E-01	3.41E-01	2.21E-01
0.15	7.22E-01	8.69E-01	5.79E-01	3.70E-01
0.2	1.02E+00	1.23E+00	8.05E-01	5.24E-01
0.3	1.58E+00	1.91E+00	1.25E+00	8.03E-01
0.4	2.10E+00	2.57E+00	1.65E+00	1.05E+00
0.5	2.60E+00	3.20E+00	2.06E+00	1.29E+00
0.6	3.06E+00	3.79E+00	2.40E+00	1.51E+00
0.8	3.91E+00	4.89E+00	3.03E+00	1.90E+00
1	4.70E+00	5.91E+00	3.65E+00	2.26E+00
2	7.87E+00	1.00E+01	6.09E+00	3.72E+00
4	1.27E+01	1.62E+01	9.82E+00	5.87E+00
6	1.69E+01	2.16E+01	1.30E+01	7.80E+00
8	2.10E+01	2.69E+01	1.62E+01	9.72E+00
10	2.50E+01	3.20E+01	1.93E+01	1.16E+01

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 1 cm depth in a 200x200x20 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.01E-02	2.14E-02	1.32E-02	9.01E-03
0.015	3.79E-02	6.51E-02	4.08E-02	2.47E-02
0.02	7.35E-02	1.07E-01	6.53E-02	4.05E-02
0.03	1.37E-01	1.83E-01	1.09E-01	6.51E-02
0.04	1.77E-01	2.31E-01	1.37E-01	8.29E-02
0.05	2.07E-01	2.68E-01	1.63E-01	9.78E-02
0.06	2.39E-01	3.06E-01	1.92E-01	1.18E-01
0.07	2.84E-01	3.66E-01	2.31E-01	1.45E-01
0.08	3.25E-01	4.16E-01	2.68E-01	1.68E-01
0.1	4.27E-01	5.46E-01	3.59E-01	2.26E-01
0.15	7.11E-01	9.18E-01	5.97E-01	3.79E-01
0.2	9.98E-01	1.29E+00	8.37E-01	5.26E-01
0.3	1.55E+00	2.03E+00	1.30E+00	8.15E-01
0.4	2.06E+00	2.72E+00	1.72E+00	1.08E+00
0.5	2.55E+00	3.40E+00	2.12E+00	1.32E+00
0.6	3.01E+00	4.04E+00	2.50E+00	1.53E+00
0.8	3.85E+00	5.23E+00	3.21E+00	1.97E+00
1	4.63E+00	6.35E+00	3.85E+00	2.33E+00
2	7.79E+00	1.10E+01	6.52E+00	3.88E+00
4	1.26E+01	1.82E+01	1.07E+01	6.29E+00
6	1.68E+01	2.46E+01	1.43E+01	8.40E+00
8	2.09E+01	3.08E+01	1.79E+01	1.04E+01
10	2.49E+01	3.68E+01	2.14E+01	1.24E+01

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 1 cm depth in a 400x400x40 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	5.16E-03	2.15E-02	1.30E-02	8.53E-03
0.015	2.31E-02	6.58E-02	3.96E-02	2.45E-02
0.02	5.45E-02	1.10E-01	6.59E-02	3.87E-02
0.03	1.23E-01	1.89E-01	1.11E-01	6.64E-02
0.04	1.70E-01	2.51E-01	1.43E-01	8.34E-02
0.05	2.02E-01	2.86E-01	1.70E-01	9.99E-02
0.06	2.36E-01	3.29E-01	2.02E-01	1.21E-01
0.07	2.79E-01	3.89E-01	2.40E-01	1.46E-01
0.08	3.19E-01	4.41E-01	2.78E-01	1.73E-01
0.1	4.17E-01	5.79E-01	3.71E-01	2.29E-01
0.15	6.87E-01	9.56E-01	6.14E-01	3.86E-01
0.2	9.61E-01	1.34E+00	8.58E-01	5.40E-01
0.3	1.49E+00	2.10E+00	1.34E+00	8.25E-01
0.4	1.98E+00	2.83E+00	1.76E+00	1.08E+00
0.5	2.45E+00	3.53E+00	2.18E+00	1.33E+00
0.6	2.90E+00	4.20E+00	2.56E+00	1.57E+00
0.8	3.72E+00	5.47E+00	3.26E+00	1.99E+00
1	4.47E+00	6.65E+00	3.96E+00	2.37E+00
2	7.57E+00	1.18E+01	6.80E+00	3.91E+00
4	1.23E+01	1.95E+01	1.12E+01	6.37E+00
6	1.65E+01	2.65E+01	1.51E+01	8.57E+00
8	2.06E+01	3.34E+01	1.89E+01	1.08E+01
10	2.45E+01	4.02E+01	2.26E+01	1.29E+01

5 cm Contamination Depth - Area Corrected Kerma (pGy)

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 5 cm depth in a 10x10x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	2.41E-03	3.08E-03	2.24E-03	1.62E-03
0.015	5.32E-03	7.60E-03	5.57E-03	4.07E-03
0.02	7.49E-03	1.11E-02	8.29E-03	6.16E-03
0.03	1.20E-02	1.74E-02	1.30E-02	9.80E-03
0.04	1.70E-02	2.48E-02	1.90E-02	1.45E-02
0.05	2.41E-02	3.41E-02	2.70E-02	2.08E-02
0.06	3.23E-02	4.55E-02	3.61E-02	2.82E-02
0.07	4.34E-02	6.03E-02	4.83E-02	3.83E-02
0.08	5.42E-02	7.51E-02	6.01E-02	4.86E-02
0.1	7.87E-02	1.09E-01	8.79E-02	7.09E-02
0.15	1.44E-01	1.95E-01	1.61E-01	1.30E-01
0.2	2.11E-01	2.86E-01	2.37E-01	1.89E-01
0.3	3.34E-01	4.54E-01	3.71E-01	2.97E-01
0.4	4.49E-01	6.13E-01	4.95E-01	4.00E-01
0.5	5.58E-01	7.68E-01	6.20E-01	4.98E-01
0.6	6.64E-01	9.03E-01	7.27E-01	5.78E-01
0.8	8.59E-01	1.16E+00	9.37E-01	7.44E-01
1	1.03E+00	1.40E+00	1.13E+00	8.92E-01
2	1.77E+00	2.33E+00	1.87E+00	1.48E+00
4	2.91E+00	3.72E+00	2.98E+00	2.38E+00
6	3.90E+00	4.98E+00	3.88E+00	3.14E+00
8	4.71E+00	6.19E+00	4.89E+00	3.94E+00
10	5.76E+00	7.75E+00	5.78E+00	4.61E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 5 cm depth in a 50x50x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	3.49E-03	4.30E-03	2.68E-03	1.75E-03
0.015	9.60E-03	1.25E-02	7.75E-03	4.93E-03
0.02	1.55E-02	2.00E-02	1.23E-02	7.84E-03
0.03	2.58E-02	3.30E-02	2.06E-02	1.32E-02
0.04	3.73E-02	4.70E-02	3.00E-02	1.91E-02
0.05	5.26E-02	6.56E-02	4.27E-02	2.83E-02
0.06	7.15E-02	8.89E-02	5.96E-02	3.88E-02
0.07	9.54E-02	1.18E-01	8.00E-02	5.31E-02
0.08	1.19E-01	1.47E-01	1.01E-01	6.89E-02
0.1	1.74E-01	2.14E-01	1.48E-01	1.00E-01
0.15	3.23E-01	3.95E-01	2.77E-01	1.85E-01
0.2	4.72E-01	5.79E-01	4.02E-01	2.67E-01
0.3	7.58E-01	9.39E-01	6.48E-01	4.32E-01
0.4	1.03E+00	1.29E+00	8.74E-01	5.84E-01
0.5	1.29E+00	1.62E+00	1.08E+00	7.18E-01
0.6	1.53E+00	1.94E+00	1.29E+00	8.54E-01
0.8	2.00E+00	2.54E+00	1.67E+00	1.10E+00
1	2.43E+00	3.12E+00	2.03E+00	1.32E+00
2	4.29E+00	5.61E+00	3.59E+00	2.27E+00
4	7.21E+00	9.55E+00	6.07E+00	3.77E+00
6	9.77E+00	1.31E+01	8.33E+00	5.09E+00
8	1.23E+01	1.64E+01	1.05E+01	6.36E+00
10	1.47E+01	1.97E+01	1.25E+01	7.65E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 5 cm depth in a 100x100x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	3.68E-03	4.26E-03	2.63E-03	1.66E-03
0.015	1.05E-02	1.30E-02	7.75E-03	4.85E-03
0.02	1.74E-02	2.09E-02	1.28E-02	7.89E-03
0.03	2.99E-02	3.54E-02	2.17E-02	1.33E-02
0.04	4.38E-02	5.19E-02	3.23E-02	2.02E-02
0.05	6.17E-02	7.25E-02	4.58E-02	2.91E-02
0.06	8.41E-02	9.82E-02	6.32E-02	3.99E-02
0.07	1.12E-01	1.31E-01	8.55E-02	5.48E-02
0.08	1.41E-01	1.62E-01	1.08E-01	6.98E-02
0.1	2.06E-01	2.39E-01	1.60E-01	1.05E-01
0.15	3.83E-01	4.45E-01	2.98E-01	1.95E-01
0.2	5.61E-01	6.51E-01	4.36E-01	2.82E-01
0.3	9.04E-01	1.05E+00	6.97E-01	4.53E-01
0.4	1.23E+00	1.44E+00	9.44E-01	6.11E-01
0.5	1.54E+00	1.80E+00	1.18E+00	7.56E-01
0.6	1.84E+00	2.16E+00	1.41E+00	8.94E-01
0.8	2.41E+00	2.83E+00	1.82E+00	1.16E+00
1	2.94E+00	3.48E+00	2.23E+00	1.39E+00
2	5.26E+00	6.33E+00	3.92E+00	2.42E+00
4	8.95E+00	1.10E+01	6.67E+00	4.04E+00
6	1.22E+01	1.51E+01	9.08E+00	5.50E+00
8	1.54E+01	1.91E+01	1.13E+01	6.88E+00
10	1.85E+01	2.30E+01	1.37E+01	8.31E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 5 cm depth in a 200x200x20 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	2.01E-03	4.52E-03	2.56E-03	1.81E-03
0.015	7.55E-03	1.30E-02	8.04E-03	4.92E-03
0.02	1.47E-02	2.13E-02	1.30E-02	7.80E-03
0.03	2.85E-02	3.76E-02	2.28E-02	1.35E-02
0.04	4.34E-02	5.53E-02	3.40E-02	2.05E-02
0.05	6.19E-02	7.73E-02	4.80E-02	2.99E-02
0.06	8.45E-02	1.05E-01	6.59E-02	4.19E-02
0.07	1.13E-01	1.39E-01	8.96E-02	5.59E-02
0.08	1.41E-01	1.72E-01	1.14E-01	7.27E-02
0.1	2.06E-01	2.50E-01	1.65E-01	1.06E-01
0.15	3.81E-01	4.63E-01	3.05E-01	2.02E-01
0.2	5.57E-01	6.75E-01	4.43E-01	2.87E-01
0.3	8.96E-01	1.09E+00	7.05E-01	4.60E-01
0.4	1.22E+00	1.49E+00	9.59E-01	6.24E-01
0.5	1.53E+00	1.87E+00	1.20E+00	7.60E-01
0.6	1.82E+00	2.26E+00	1.42E+00	9.00E-01
0.8	2.38E+00	2.95E+00	1.85E+00	1.17E+00
1	2.91E+00	3.63E+00	2.26E+00	1.42E+00
2	5.22E+00	6.64E+00	4.04E+00	2.47E+00
4	8.91E+00	1.17E+01	6.91E+00	4.08E+00
6	1.22E+01	1.61E+01	9.45E+00	5.58E+00
8	1.53E+01	2.05E+01	1.20E+01	6.96E+00
10	1.84E+01	2.46E+01	1.44E+01	8.33E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 5 cm depth in a 400x400x40 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.03E-03	5.02E-03	2.39E-03	1.40E-03
0.015	4.61E-03	1.28E-02	7.79E-03	4.59E-03
0.02	1.09E-02	2.15E-02	1.28E-02	7.91E-03
0.03	2.57E-02	3.93E-02	2.37E-02	1.49E-02
0.04	4.20E-02	5.87E-02	3.51E-02	2.16E-02
0.05	6.13E-02	8.30E-02	5.03E-02	3.09E-02
0.06	8.43E-02	1.12E-01	6.93E-02	4.36E-02
0.07	1.12E-01	1.49E-01	9.42E-02	5.82E-02
0.08	1.41E-01	1.83E-01	1.19E-01	7.35E-02
0.1	2.04E-01	2.63E-01	1.73E-01	1.07E-01
0.15	3.75E-01	4.81E-01	3.15E-01	2.01E-01
0.2	5.45E-01	7.01E-01	4.59E-01	2.92E-01
0.3	8.74E-01	1.12E+00	7.26E-01	4.64E-01
0.4	1.19E+00	1.53E+00	9.78E-01	6.21E-01
0.5	1.49E+00	1.94E+00	1.22E+00	7.67E-01
0.6	1.78E+00	2.35E+00	1.45E+00	9.21E-01
0.8	2.33E+00	3.04E+00	1.89E+00	1.19E+00
1	2.85E+00	3.73E+00	2.28E+00	1.44E+00
2	5.10E+00	6.83E+00	4.09E+00	2.48E+00
4	8.76E+00	1.20E+01	6.99E+00	4.16E+00
6	1.20E+01	1.66E+01	9.55E+00	5.67E+00
8	1.51E+01	2.11E+01	1.22E+01	7.14E+00
10	1.82E+01	2.55E+01	1.46E+01	8.65E+00

15 cm Contamination Depth - Area Corrected Kerma (pGy)

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 15 cm depth in a 10x10x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	7.04E-04	9.15E-04	6.64E-04	5.16E-04
0.015	1.55E-03	2.25E-03	1.68E-03	1.20E-03
0.02	2.25E-03	3.29E-03	2.40E-03	1.80E-03
0.03	3.47E-03	5.18E-03	3.83E-03	2.90E-03
0.04	5.03E-03	7.29E-03	5.57E-03	4.19E-03
0.05	7.11E-03	1.01E-02	7.88E-03	6.18E-03
0.06	9.87E-03	1.39E-02	1.10E-02	8.71E-03
0.07	1.39E-02	1.92E-02	1.52E-02	1.20E-02
0.08	1.79E-02	2.47E-02	1.97E-02	1.57E-02
0.1	2.80E-02	3.85E-02	3.08E-02	2.47E-02
0.15	5.64E-02	7.75E-02	6.27E-02	5.05E-02
0.2	8.64E-02	1.18E-01	9.67E-02	7.71E-02
0.3	1.46E-01	2.03E-01	1.65E-01	1.31E-01
0.4	2.04E-01	2.86E-01	2.28E-01	1.79E-01
0.5	2.63E-01	3.67E-01	2.94E-01	2.34E-01
0.6	3.19E-01	4.44E-01	3.67E-01	2.81E-01
0.8	4.26E-01	5.99E-01	5.05E-01	3.76E-01
1	5.30E-01	7.49E-01	6.41E-01	4.63E-01
2	1.00E+00	1.41E+00	1.11E+00	8.64E-01
4	1.77E+00	2.49E+00	1.96E+00	1.53E+00
6	2.45E+00	3.39E+00	2.69E+00	2.10E+00
8	3.10E+00	4.27E+00	3.38E+00	2.65E+00
10	3.71E+00	5.12E+00	4.06E+00	3.18E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 15 cm depth in a 50x50x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.13E-03	1.36E-03	8.57E-04	5.87E-04
0.015	3.12E-03	4.05E-03	2.52E-03	1.59E-03
0.02	4.99E-03	6.50E-03	3.98E-03	2.53E-03
0.03	8.38E-03	1.07E-02	6.73E-03	4.25E-03
0.04	1.22E-02	1.54E-02	9.85E-03	6.31E-03
0.05	1.73E-02	2.17E-02	1.41E-02	9.24E-03
0.06	2.40E-02	2.96E-02	2.00E-02	1.30E-02
0.07	3.31E-02	4.06E-02	2.78E-02	1.86E-02
0.08	4.27E-02	5.22E-02	3.65E-02	2.40E-02
0.1	6.59E-02	7.97E-02	5.61E-02	3.76E-02
0.15	1.33E-01	1.60E-01	1.12E-01	7.76E-02
0.2	2.03E-01	2.45E-01	1.71E-01	1.17E-01
0.3	3.44E-01	4.16E-01	2.93E-01	1.97E-01
0.4	4.83E-01	5.85E-01	4.07E-01	2.74E-01
0.5	6.20E-01	7.54E-01	5.20E-01	3.47E-01
0.6	7.54E-01	9.21E-01	6.29E-01	4.22E-01
0.8	1.01E+00	1.25E+00	8.35E-01	5.51E-01
1	1.26E+00	1.57E+00	1.05E+00	6.84E-01
2	2.43E+00	3.06E+00	1.99E+00	1.29E+00
4	4.42E+00	5.62E+00	3.61E+00	2.30E+00
6	6.17E+00	7.94E+00	5.07E+00	3.22E+00
8	7.87E+00	1.02E+01	6.42E+00	4.12E+00
10	9.52E+00	1.24E+01	7.80E+00	4.94E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 15 cm depth in a 100x100x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.20E-03	1.44E-03	8.72E-04	5.82E-04
0.015	3.46E-03	4.24E-03	2.53E-03	1.59E-03
0.02	5.71E-03	6.91E-03	4.20E-03	2.53E-03
0.03	9.84E-03	1.16E-02	7.07E-03	4.41E-03
0.04	1.44E-02	1.71E-02	1.06E-02	6.64E-03
0.05	2.05E-02	2.40E-02	1.54E-02	9.55E-03
0.06	2.86E-02	3.33E-02	2.19E-02	1.39E-02
0.07	3.94E-02	4.58E-02	3.01E-02	1.94E-02
0.08	5.10E-02	5.88E-02	3.90E-02	2.51E-02
0.1	7.85E-02	8.98E-02	6.12E-02	4.01E-02
0.15	1.58E-01	1.81E-01	1.24E-01	8.17E-02
0.2	2.42E-01	2.76E-01	1.88E-01	1.25E-01
0.3	4.09E-01	4.73E-01	3.12E-01	2.08E-01
0.4	5.74E-01	6.57E-01	4.42E-01	2.91E-01
0.5	7.35E-01	8.42E-01	5.69E-01	3.73E-01
0.6	8.94E-01	1.03E+00	6.83E-01	4.45E-01
0.8	1.20E+00	1.39E+00	9.09E-01	5.90E-01
1	1.51E+00	1.74E+00	1.14E+00	7.24E-01
2	2.91E+00	3.39E+00	2.17E+00	1.36E+00
4	5.32E+00	6.26E+00	3.93E+00	2.44E+00
6	7.47E+00	8.84E+00	5.50E+00	3.40E+00
8	9.56E+00	1.13E+01	6.99E+00	4.36E+00
10	1.16E+01	1.37E+01	8.43E+00	5.25E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 15 cm depth in a 200x200x20 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
ENERGY	Average	Center	Wall	Corner
0.01	6.71E-04	1.65E-03	8.58E-04	7.88E-04
0.015	2.50E-03	4.35E-03	2.52E-03	1.60E-03
0.02	4.86E-03	7.09E-03	4.20E-03	2.55E-03
0.03	9.45E-03	1.27E-02	7.53E-03	4.43E-03
0.04	1.44E-02	1.84E-02	1.12E-02	6.84E-03
0.05	2.07E-02	2.57E-02	1.62E-02	9.98E-03
0.06	2.90E-02	3.59E-02	2.29E-02	1.40E-02
0.07	3.98E-02	4.85E-02	3.15E-02	2.00E-02
0.08	5.14E-02	6.24E-02	4.11E-02	2.61E-02
0.1	7.90E-02	9.49E-02	6.40E-02	4.03E-02
0.15	1.58E-01	1.88E-01	1.27E-01	8.23E-02
0.2	2.42E-01	2.87E-01	1.92E-01	1.26E-01
0.3	4.08E-01	4.85E-01	3.23E-01	2.11E-01
0.4	5.73E-01	6.81E-01	4.50E-01	2.90E-01
0.5	7.35E-01	8.77E-01	5.74E-01	3.74E-01
0.6	8.93E-01	1.06E+00	6.92E-01	4.53E-01
0.8	1.20E+00	1.43E+00	9.26E-01	5.91E-01
1	1.50E+00	1.80E+00	1.15E+00	7.37E-01
2	2.91E+00	3.53E+00	2.20E+00	1.37E+00
4	5.33E+00	6.54E+00	4.00E+00	2.46E+00
6	7.49E+00	9.29E+00	5.60E+00	3.45E+00
8	9.59E+00	1.19E+01	7.16E+00	4.39E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at 15 cm depth in a 400x400x40 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
ENERGY	Average	Center	Wall	Corner
0.01	3.42E-04	1.67E-03	7.28E-04	4.29E-04
0.015	1.53E-03	4.89E-03	2.39E-03	1.40E-03
0.02	3.62E-03	7.21E-03	4.08E-03	2.38E-03
0.03	8.55E-03	1.28E-02	8.08E-03	4.61E-03
0.04	1.39E-02	1.94E-02	1.16E-02	7.25E-03
0.05	2.06E-02	2.78E-02	1.71E-02	1.03E-02
0.06	2.90E-02	3.84E-02	2.39E-02	1.48E-02
0.07	3.98E-02	5.14E-02	3.30E-02	2.09E-02
0.08	5.14E-02	6.63E-02	4.30E-02	2.69E-02
0.1	7.87E-02	1.01E-01	6.63E-02	4.14E-02
0.15	1.57E-01	1.98E-01	1.31E-01	8.38E-02
0.2	2.38E-01	2.97E-01	1.98E-01	1.30E-01
0.3	4.01E-01	5.00E-01	3.33E-01	2.15E-01
0.4	5.62E-01	7.02E-01	4.62E-01	2.99E-01
0.5	7.21E-01	9.02E-01	5.90E-01	3.81E-01
0.6	8.77E-01	1.10E+00	7.13E-01	4.62E-01
0.8	1.18E+00	1.48E+00	9.52E-01	6.10E-01
1	1.48E+00	1.85E+00	1.19E+00	7.34E-01
2	2.87E+00	3.62E+00	2.23E+00	1.38E+00
4	5.27E+00	6.74E+00	4.05E+00	2.51E+00
6	7.42E+00	9.56E+00	5.69E+00	3.48E+00
8	9.51E+00	1.23E+01	7.28E+00	4.45E+00

Infinite cm Contamination Depth - Area Corrected Kerma (pGy)

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at infinite depth in a 10x10x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	4.58E-05	5.93E-05	4.34E-05	3.00E-05
0.015	1.00E-04	1.47E-04	1.08E-04	7.79E-05
0.02	1.44E-04	2.14E-04	1.58E-04	1.18E-04
0.03	2.29E-04	3.36E-04	2.53E-04	1.90E-04
0.04	3.34E-04	4.81E-04	3.65E-04	2.78E-04
0.05	4.68E-04	6.71E-04	5.19E-04	4.02E-04
0.06	6.55E-04	9.29E-04	7.38E-04	5.67E-04
0.07	9.12E-04	1.27E-03	1.02E-03	7.91E-04
0.08	1.19E-03	1.64E-03	1.32E-03	1.04E-03
0.1	1.85E-03	2.53E-03	2.04E-03	1.65E-03
0.15	3.73E-03	5.12E-03	4.18E-03	3.32E-03
0.2	5.81E-03	7.94E-03	6.40E-03	5.12E-03
0.3	9.98E-03	1.38E-02	1.09E-02	8.74E-03
0.4	1.42E-02	1.96E-02	1.56E-02	1.24E-02
0.5	1.85E-02	2.58E-02	2.04E-02	1.61E-02
0.6	2.27E-02	3.18E-02	2.53E-02	1.94E-02
0.8	3.16E-02	4.46E-02	3.46E-02	2.75E-02
1	4.00E-02	5.69E-02	4.42E-02	3.48E-02
2	8.36E-02	1.23E-01	9.24E-02	7.17E-02
4	1.72E-01	2.45E-01	1.88E-01	1.45E-01
6	2.54E-01	3.65E-01	2.80E-01	2.16E-01
8	3.34E-01	4.82E-01	3.68E-01	2.87E-01
10	4.12E-01	5.97E-01	4.51E-01	3.53E-01

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at infinite depth in a 50x50x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	1.39E-04	1.77E-04	1.04E-04	6.97E-05
0.015	3.83E-04	4.92E-04	3.17E-04	1.95E-04
0.02	6.08E-04	7.93E-04	4.96E-04	3.07E-04
0.03	1.02E-03	1.33E-03	8.31E-04	5.27E-04
0.04	1.49E-03	1.88E-03	1.22E-03	7.73E-04
0.05	2.10E-03	2.62E-03	1.74E-03	1.13E-03
0.06	2.94E-03	3.63E-03	2.45E-03	1.63E-03
0.07	4.05E-03	4.99E-03	3.40E-03	2.26E-03
0.08	5.23E-03	6.39E-03	4.43E-03	2.95E-03
0.1	8.09E-03	9.87E-03	6.83E-03	4.65E-03
0.15	1.64E-02	1.99E-02	1.41E-02	9.53E-03
0.2	2.53E-02	3.07E-02	2.11E-02	1.47E-02
0.3	4.34E-02	5.26E-02	3.63E-02	2.45E-02
0.4	6.18E-02	7.46E-02	5.13E-02	3.44E-02
0.5	8.04E-02	9.68E-02	6.67E-02	4.45E-02
0.6	9.87E-02	1.20E-01	8.14E-02	5.39E-02
0.8	1.36E-01	1.65E-01	1.10E-01	7.28E-02
1	1.73E-01	2.11E-01	1.42E-01	9.23E-02
2	3.58E-01	4.41E-01	2.92E-01	1.93E-01
4	7.23E-01	8.93E-01	5.82E-01	3.85E-01
6	1.07E+00	1.32E+00	8.66E-01	5.71E-01
8	1.41E+00	1.73E+00	1.14E+00	7.52E-01
10	1.74E+00	2.15E+00	1.40E+00	9.36E-01

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at infinite depth in a 100x100x10 ft concrete room (pGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
ENERGY	Average	Center	Wall	Corner
0.01	1.60E-04	1.89E-04	1.17E-04	1.05E-04
0.015	4.66E-04	5.72E-04	3.62E-04	2.57E-04
0.02	7.66E-04	9.47E-04	5.78E-04	3.68E-04
0.03	1.33E-03	1.62E-03	9.66E-04	6.54E-04
0.04	1.95E-03	2.29E-03	1.48E-03	9.30E-04
0.05	2.76E-03	3.27E-03	2.11E-03	1.33E-03
0.06	3.86E-03	4.49E-03	2.88E-03	1.90E-03
0.07	5.31E-03	6.19E-03	4.02E-03	2.63E-03
0.08	6.87E-03	7.91E-03	5.25E-03	3.46E-03
0.1	1.06E-02	1.22E-02	8.21E-03	5.40E-03
0.15	2.15E-02	2.48E-02	1.68E-02	1.13E-02
0.2	3.31E-02	3.82E-02	2.57E-02	1.72E-02
0.3	5.69E-02	6.50E-02	4.36E-02	2.94E-02
0.4	8.08E-02	9.26E-02	6.15E-02	4.14E-02
0.5	1.05E-01	1.20E-01	8.01E-02	5.34E-02
0.6	1.29E-01	1.48E-01	9.78E-02	6.52E-02
0.8	1.77E-01	2.03E-01	1.33E-01	8.88E-02
1	2.25E-01	2.58E-01	1.69E-01	1.11E-01
2	4.68E-01	5.37E-01	3.49E-01	2.28E-01
4	9.40E-01	1.08E+00	6.90E-01	4.54E-01
6	1.39E+00	1.60E+00	1.02E+00	6.76E-01
8	1.83E+00	2.10E+00	1.34E+00	8.86E-01

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at infinite depth in a 200x200x20 ft concrete room (μGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	9.42E-05	1.97E-04	1.18E-04	1.00E-04
0.015	3.51E-04	6.12E-04	3.97E-04	2.50E-04
0.02	6.87E-04	1.09E-03	6.50E-04	3.85E-04
0.03	1.34E-03	1.91E-03	1.10E-03	6.39E-04
0.04	2.05E-03	2.60E-03	1.60E-03	9.56E-04
0.05	2.94E-03	3.68E-03	2.24E-03	1.38E-03
0.06	4.11E-03	5.01E-03	3.22E-03	2.17E-03
0.07	5.66E-03	7.02E-03	4.41E-03	2.86E-03
0.08	7.30E-03	8.88E-03	5.80E-03	3.83E-03
0.1	1.13E-02	1.36E-02	8.95E-03	5.90E-03
0.15	2.27E-02	2.73E-02	1.83E-02	1.19E-02
0.2	3.50E-02	4.17E-02	2.79E-02	1.85E-02
0.3	5.99E-02	7.10E-02	4.71E-02	3.12E-02
0.4	8.51E-02	1.01E-01	6.69E-02	4.39E-02
0.5	1.10E-01	1.31E-01	8.65E-02	5.64E-02
0.6	1.36E-01	1.62E-01	1.06E-01	6.92E-02
0.8	1.86E-01	2.20E-01	1.44E-01	9.41E-02
1	2.37E-01	2.79E-01	1.83E-01	1.19E-01
2	4.92E-01	5.85E-01	3.76E-01	2.41E-01
4	9.91E-01	1.18E+00	7.46E-01	4.85E-01
6	1.47E+00	1.75E+00	1.12E+00	7.29E-01
8	1.93E+00	2.30E+00	1.45E+00	9.38E-01
10	2.38E+00	2.84E+00	1.81E+00	1.16E+00

Table [SEQ Table * ARABIC]: Area corrected kerma from contamination at infinite depth in a 400x400x40 ft concrete room (μGy)

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	4.92E-05	1.85E-04	1.58E-04	9.54E-05
0.015	2.18E-04	5.94E-04	4.16E-04	2.61E-04
0.02	5.25E-04	1.02E-03	6.23E-04	3.84E-04
0.03	1.25E-03	1.94E-03	1.09E-03	6.10E-04
0.04	2.04E-03	2.82E-03	1.67E-03	9.42E-04
0.05	3.00E-03	4.13E-03	2.52E-03	1.29E-03
0.06	4.22E-03	5.59E-03	3.52E-03	2.10E-03
0.07	5.82E-03	7.53E-03	4.80E-03	2.83E-03
0.08	7.53E-03	9.55E-03	6.23E-03	3.85E-03
0.1	1.15E-02	1.45E-02	1.01E-02	5.74E-03
0.15	2.31E-02	2.85E-02	1.89E-02	1.18E-02
0.2	3.54E-02	4.39E-02	2.90E-02	1.83E-02
0.3	6.05E-02	7.45E-02	5.07E-02	3.09E-02
0.4	8.58E-02	1.06E-01	7.07E-02	4.59E-02
0.5	1.11E-01	1.37E-01	9.15E-02	5.95E-02
0.6	1.37E-01	1.68E-01	1.14E-01	7.14E-02
0.8	1.88E-01	2.31E-01	1.50E-01	9.61E-02
1	2.40E-01	2.94E-01	1.93E-01	1.21E-01
2	4.99E-01	6.06E-01	3.92E-01	2.48E-01
4	1.01E+00	1.22E+00	7.90E-01	4.93E-01
6	1.49E+00	1.83E+00	1.17E+00	7.32E-01
8	1.97E+00	2.41E+00	1.54E+00	9.64E-01
10	2.42E+00	3.02E+00	1.88E+00	1.18E+00

Room Ratio Tables

Surface Contamination – Room Ratios

Table [SEQ Table * ARABIC]: Room ratios for surface contamination in a 10x10x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.633	0.599	0.440	0.321
0.015	0.339	0.377	0.284	0.220
0.02	0.254	0.289	0.225	0.175
0.03	0.188	0.215	0.168	0.133
0.04	0.171	0.196	0.158	0.124
0.05	0.183	0.208	0.172	0.139
0.06	0.180	0.206	0.172	0.140
0.07	0.181	0.209	0.177	0.146
0.08	0.187	0.215	0.184	0.154
0.1	0.199	0.229	0.196	0.164
0.15	0.203	0.234	0.203	0.169
0.2	0.198	0.226	0.194	0.164
0.3	0.173	0.198	0.167	0.139
0.4	0.160	0.182	0.152	0.128
0.5	0.154	0.174	0.145	0.122
0.6	0.152	0.171	0.142	0.119
0.8	0.148	0.168	0.139	0.115
1	0.160	0.181	0.148	0.124
2	0.146	0.166	0.134	0.110
4	0.136	0.155	0.123	0.101
6	0.138	0.158	0.125	0.101
8	0.136	0.156	0.122	0.099
10	0.136	0.156	0.123	0.099

Table [SEQ Table * ARABIC]: Room ratios for surface contamination in a 50x50x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.938	0.926	0.576	0.354
0.015	0.707	0.879	0.516	0.311
0.02	0.616	0.791	0.473	0.278
0.03	0.497	0.637	0.397	0.247
0.04	0.455	0.576	0.374	0.243
0.05	0.479	0.600	0.418	0.264
0.06	0.471	0.586	0.405	0.271
0.07	0.479	0.595	0.418	0.282
0.08	0.492	0.603	0.431	0.291
0.1	0.519	0.635	0.457	0.323
0.15	0.537	0.655	0.473	0.328
0.2	0.523	0.639	0.457	0.316
0.3	0.463	0.569	0.403	0.279
0.4	0.432	0.533	0.371	0.252
0.5	0.418	0.517	0.356	0.245
0.6	0.415	0.517	0.353	0.235
0.8	0.410	0.513	0.347	0.229
1	0.444	0.556	0.369	0.246
2	0.410	0.517	0.340	0.220
4	0.385	0.487	0.317	0.204
6	0.391	0.494	0.320	0.204
8	0.384	0.486	0.314	0.199
10	0.386	0.488	0.313	0.200

Table [SEQ Table * ARABIC]: Room ratios for surface contamination in a 100x100x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.988	0.931	0.565	0.350
0.015	0.802	0.930	0.537	0.314
0.02	0.743	0.916	0.565	0.304
0.03	0.636	0.795	0.463	0.278
0.04	0.593	0.727	0.448	0.272
0.05	0.626	0.777	0.484	0.305
0.06	0.614	0.747	0.487	0.309
0.07	0.625	0.756	0.501	0.322
0.08	0.641	0.772	0.519	0.340
0.1	0.676	0.815	0.556	0.366
0.15	0.701	0.844	0.578	0.384
0.2	0.685	0.825	0.558	0.373
0.3	0.611	0.737	0.494	0.328
0.4	0.572	0.693	0.458	0.301
0.5	0.555	0.675	0.441	0.288
0.6	0.552	0.673	0.437	0.286
0.8	0.548	0.669	0.429	0.275
1	0.597	0.729	0.464	0.297
2	0.556	0.681	0.426	0.266
4	0.524	0.643	0.398	0.247
6	0.530	0.651	0.401	0.248
8	0.522	0.642	0.394	0.244
10	0.523	0.644	0.393	0.243

Table [SEQ Table * ARABIC]: Room ratios for surface contamination in a 200x200x20 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.530	0.932	0.577	0.349
0.015	0.534	0.943	0.542	0.310
0.02	0.579	0.981	0.535	0.300
0.03	0.573	0.903	0.507	0.285
0.04	0.562	0.857	0.505	0.291
0.05	0.605	0.904	0.551	0.322
0.06	0.597	0.876	0.549	0.329
0.07	0.607	0.881	0.567	0.342
0.08	0.624	0.895	0.587	0.361
0.1	0.658	0.937	0.622	0.392
0.15	0.679	0.970	0.646	0.411
0.2	0.664	0.952	0.632	0.398
0.3	0.592	0.856	0.555	0.354
0.4	0.556	0.810	0.524	0.330
0.5	0.540	0.792	0.505	0.316
0.6	0.538	0.794	0.502	0.312
0.8	0.535	0.794	0.498	0.306
1	0.583	0.868	0.542	0.331
2	0.545	0.817	0.497	0.300
4	0.516	0.780	0.468	0.282
6	0.523	0.794	0.474	0.285
8	0.516	0.784	0.467	0.279
10	0.517	0.788	0.465	0.279

Table [SEQ Table * ARABIC]: Room ratios for surface contamination in a 400x400x40 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.270	0.929	0.567	0.352
0.015	0.311	0.953	0.546	0.316
0.02	0.399	0.974	0.540	0.307
0.03	0.480	0.963	0.528	0.292
0.04	0.510	0.955	0.536	0.300
0.05	0.567	1.016	0.593	0.340
0.06	0.567	0.988	0.591	0.348
0.07	0.578	0.993	0.609	0.367
0.08	0.595	1.006	0.629	0.384
0.1	0.625	1.048	0.667	0.412
0.15	0.641	1.078	0.691	0.432
0.2	0.626	1.056	0.690	0.423
0.3	0.559	0.958	0.604	0.372
0.4	0.525	0.908	0.567	0.349
0.5	0.511	0.894	0.559	0.335
0.6	0.511	0.897	0.555	0.331
0.8	0.510	0.911	0.548	0.326
1	0.557	0.994	0.598	0.354
2	0.526	0.950	0.558	0.327
4	0.502	0.917	0.532	0.311
6	0.512	0.934	0.541	0.316
8	0.505	0.926	0.536	0.310
10	0.507	0.931	0.536	0.313

1 cm Contamination Depth – Room Ratios

*Table [SEQ Table * ARABIC]: Room ratios for contamination at 1 cm depth in a 10x10x10 ft concrete room*

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.354	0.455	0.328	0.239
0.015	0.212	0.316	0.229	0.166
0.02	0.178	0.266	0.200	0.145
0.03	0.154	0.224	0.168	0.127
0.04	0.171	0.241	0.188	0.145
0.05	0.199	0.273	0.217	0.172
0.06	0.205	0.275	0.222	0.176
0.07	0.219	0.289	0.239	0.190
0.08	0.234	0.306	0.255	0.206
0.1	0.253	0.324	0.276	0.224
0.15	0.265	0.335	0.285	0.237
0.2	0.268	0.335	0.285	0.237
0.3	0.234	0.290	0.243	0.202
0.4	0.206	0.255	0.211	0.178
0.5	0.204	0.249	0.204	0.171
0.6	0.207	0.253	0.208	0.173
0.8	0.205	0.250	0.203	0.168
1	0.210	0.255	0.206	0.170
2	0.185	0.221	0.178	0.146
4	0.168	0.196	0.157	0.129
6	0.165	0.195	0.153	0.125
8	0.162	0.193	0.150	0.121
10	0.160	0.191	0.148	0.119

Table [SEQ Table * ARABIC]: Room ratios for contamination at 1 cm depth in a 50x50x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.495	0.593	0.380	0.248
0.015	0.380	0.492	0.304	0.191
0.02	0.351	0.458	0.281	0.175
0.03	0.321	0.412	0.259	0.163
0.04	0.379	0.485	0.309	0.195
0.05	0.454	0.583	0.376	0.244
0.06	0.473	0.608	0.398	0.260
0.07	0.509	0.650	0.436	0.289
0.08	0.549	0.698	0.475	0.312
0.1	0.595	0.753	0.514	0.349
0.15	0.631	0.801	0.556	0.374
0.2	0.640	0.813	0.564	0.377
0.3	0.564	0.722	0.494	0.332
0.4	0.506	0.654	0.441	0.294
0.5	0.499	0.652	0.437	0.288
0.6	0.513	0.672	0.445	0.295
0.8	0.514	0.675	0.448	0.290
1	0.533	0.705	0.463	0.299
2	0.481	0.647	0.413	0.265
4	0.440	0.592	0.378	0.238
6	0.437	0.587	0.374	0.234
8	0.429	0.576	0.366	0.229
10	0.425	0.569	0.366	0.225

Table [SEQ Table * ARABIC]: Room ratios for contamination at 1 cm depth in a 100x100x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.517	0.592	0.380	0.244
0.015	0.413	0.500	0.308	0.193
0.02	0.396	0.478	0.287	0.178
0.03	0.372	0.442	0.271	0.163
0.04	0.444	0.529	0.325	0.199
0.05	0.540	0.649	0.419	0.248
0.06	0.570	0.684	0.431	0.273
0.07	0.616	0.741	0.483	0.300
0.08	0.666	0.797	0.517	0.332
0.1	0.724	0.871	0.572	0.370
0.15	0.774	0.931	0.620	0.396
0.2	0.788	0.951	0.624	0.406
0.3	0.699	0.848	0.553	0.356
0.4	0.632	0.771	0.496	0.316
0.5	0.626	0.771	0.495	0.310
0.6	0.646	0.800	0.506	0.319
0.8	0.651	0.813	0.504	0.315
1	0.679	0.853	0.528	0.327
2	0.624	0.794	0.483	0.295
4	0.577	0.737	0.447	0.267
6	0.574	0.736	0.444	0.266
8	0.565	0.723	0.437	0.262
10	0.562	0.719	0.434	0.261

Table [SEQ Table * ARABIC]: Room ratios for contamination at 1 cm depth in a 200x200x20 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.282	0.600	0.370	0.252
0.015	0.296	0.508	0.318	0.193
0.02	0.333	0.486	0.295	0.183
0.03	0.354	0.474	0.282	0.168
0.04	0.437	0.569	0.338	0.205
0.05	0.537	0.695	0.424	0.254
0.06	0.567	0.726	0.455	0.279
0.07	0.612	0.790	0.498	0.313
0.08	0.661	0.847	0.546	0.341
0.1	0.716	0.917	0.602	0.379
0.15	0.761	0.984	0.640	0.406
0.2	0.774	0.998	0.649	0.408
0.3	0.687	0.898	0.574	0.361
0.4	0.620	0.818	0.517	0.324
0.5	0.614	0.819	0.511	0.318
0.6	0.635	0.851	0.527	0.322
0.8	0.641	0.870	0.533	0.328
1	0.669	0.917	0.557	0.337
2	0.617	0.872	0.517	0.307
4	0.573	0.829	0.486	0.286
6	0.571	0.837	0.488	0.286
8	0.563	0.829	0.483	0.281
10	0.559	0.828	0.481	0.279

Table [SEQ Table * ARABIC]: Room ratios for contamination at 1 cm depth in a 400x400x40 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.145	0.602	0.363	0.239
0.015	0.180	0.513	0.308	0.191
0.02	0.247	0.498	0.298	0.175
0.03	0.319	0.488	0.287	0.172
0.04	0.419	0.619	0.353	0.206
0.05	0.526	0.743	0.442	0.260
0.06	0.558	0.779	0.478	0.286
0.07	0.602	0.839	0.518	0.316
0.08	0.649	0.897	0.566	0.351
0.1	0.699	0.971	0.623	0.384
0.15	0.736	1.024	0.658	0.414
0.2	0.745	1.039	0.665	0.419
0.3	0.660	0.931	0.593	0.366
0.4	0.596	0.849	0.529	0.325
0.5	0.591	0.850	0.525	0.321
0.6	0.611	0.886	0.540	0.331
0.8	0.618	0.910	0.542	0.331
1	0.646	0.961	0.572	0.342
2	0.600	0.932	0.539	0.310
4	0.561	0.888	0.508	0.290
6	0.561	0.901	0.514	0.292
8	0.554	0.901	0.510	0.292
10	0.551	0.903	0.508	0.289

5 cm Contamination Depth – Room Ratios

Table [SEQ Table * ARABIC]: Room ratios for contamination at 5 cm depth in a 10x10x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.315	0.404	0.293	0.212
0.015	0.224	0.320	0.234	0.171
0.02	0.172	0.257	0.191	0.142
0.03	0.154	0.222	0.167	0.126
0.04	0.153	0.223	0.171	0.130
0.05	0.165	0.234	0.185	0.143
0.06	0.170	0.239	0.190	0.148
0.07	0.185	0.257	0.206	0.163
0.08	0.199	0.276	0.221	0.178
0.1	0.236	0.326	0.264	0.213
0.15	0.262	0.354	0.291	0.236
0.2	0.275	0.374	0.309	0.247
0.3	0.274	0.373	0.305	0.244
0.4	0.271	0.369	0.298	0.241
0.5	0.269	0.370	0.299	0.240
0.6	0.263	0.358	0.288	0.229
0.8	0.259	0.351	0.282	0.224
1	0.254	0.345	0.277	0.220
2	0.219	0.288	0.231	0.183
4	0.206	0.263	0.210	0.168
6	0.203	0.259	0.202	0.163
8	0.192	0.252	0.199	0.160
10	0.195	0.263	0.196	0.156

Table [SEQ Table * ARABIC]: Room ratios for contamination at 5 cm depth in a 50x50x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.457	0.563	0.351	0.229
0.015	0.404	0.526	0.326	0.207
0.02	0.356	0.462	0.283	0.181
0.03	0.330	0.423	0.265	0.169
0.04	0.336	0.424	0.270	0.172
0.05	0.361	0.449	0.292	0.194
0.06	0.376	0.468	0.313	0.204
0.07	0.406	0.502	0.341	0.226
0.08	0.438	0.539	0.372	0.253
0.1	0.522	0.644	0.444	0.300
0.15	0.585	0.716	0.503	0.335
0.2	0.616	0.756	0.525	0.349
0.3	0.623	0.772	0.532	0.355
0.4	0.620	0.777	0.527	0.352
0.5	0.621	0.781	0.520	0.346
0.6	0.608	0.767	0.510	0.338
0.8	0.601	0.764	0.501	0.331
1	0.598	0.768	0.500	0.325
2	0.531	0.694	0.445	0.281
4	0.510	0.675	0.429	0.267
6	0.508	0.680	0.433	0.265
8	0.499	0.669	0.426	0.259
10	0.499	0.668	0.424	0.259

Table [SEQ Table * ARABIC]: Room ratios for contamination at 5 cm depth in a 100x100x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.482	0.558	0.344	0.218
0.015	0.442	0.547	0.326	0.204
0.02	0.401	0.482	0.295	0.182
0.03	0.383	0.454	0.278	0.170
0.04	0.395	0.467	0.291	0.182
0.05	0.423	0.497	0.313	0.199
0.06	0.442	0.516	0.333	0.210
0.07	0.479	0.557	0.364	0.233
0.08	0.517	0.596	0.398	0.256
0.1	0.619	0.717	0.480	0.315
0.15	0.694	0.806	0.540	0.354
0.2	0.733	0.849	0.570	0.368
0.3	0.743	0.864	0.573	0.372
0.4	0.742	0.865	0.569	0.369
0.5	0.744	0.868	0.567	0.364
0.6	0.731	0.857	0.557	0.354
0.8	0.725	0.853	0.549	0.348
1	0.725	0.857	0.549	0.342
2	0.651	0.784	0.485	0.299
4	0.632	0.777	0.471	0.286
6	0.635	0.787	0.472	0.286
8	0.626	0.779	0.462	0.280
10	0.625	0.781	0.464	0.282

Table [SEQ Table * ARABIC]: Room ratios for contamination at 5 cm depth in a 200x200x20 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.263	0.592	0.335	0.237
0.015	0.317	0.548	0.338	0.207
0.02	0.338	0.492	0.300	0.180
0.03	0.366	0.482	0.292	0.173
0.04	0.391	0.498	0.306	0.185
0.05	0.424	0.529	0.329	0.205
0.06	0.444	0.550	0.347	0.220
0.07	0.481	0.591	0.382	0.238
0.08	0.519	0.633	0.417	0.267
0.1	0.619	0.750	0.496	0.319
0.15	0.691	0.839	0.553	0.365
0.2	0.727	0.882	0.579	0.374
0.3	0.736	0.897	0.579	0.378
0.4	0.735	0.900	0.578	0.376
0.5	0.736	0.903	0.577	0.366
0.6	0.723	0.894	0.563	0.357
0.8	0.718	0.889	0.558	0.351
1	0.718	0.893	0.558	0.350
2	0.646	0.822	0.500	0.306
4	0.630	0.824	0.488	0.288
6	0.633	0.837	0.492	0.290
8	0.625	0.833	0.489	0.284
10	0.624	0.835	0.488	0.282

Table [SEQ Table * ARABIC]: Room ratios for contamination at 5 cm depth in a 400x400x40 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.135	0.656	0.313	0.183
0.015	0.194	0.538	0.328	0.193
0.02	0.251	0.496	0.296	0.182
0.03	0.330	0.504	0.304	0.190
0.04	0.378	0.529	0.316	0.195
0.05	0.420	0.569	0.344	0.211
0.06	0.443	0.590	0.364	0.229
0.07	0.479	0.633	0.401	0.248
0.08	0.517	0.673	0.436	0.270
0.1	0.613	0.789	0.519	0.322
0.15	0.678	0.871	0.570	0.364
0.2	0.711	0.915	0.600	0.382
0.3	0.718	0.923	0.596	0.381
0.4	0.716	0.924	0.590	0.374
0.5	0.718	0.936	0.590	0.369
0.6	0.705	0.932	0.574	0.365
0.8	0.700	0.916	0.568	0.358
1	0.701	0.920	0.562	0.354
2	0.632	0.845	0.506	0.307
4	0.619	0.847	0.494	0.294
6	0.624	0.864	0.497	0.295
8	0.616	0.860	0.497	0.291
10	0.616	0.866	0.495	0.293

15 cm Contamination Depth – Room Ratios

*Table [SEQ Table * ARABIC]: Room ratios for contamination at 15 cm depth in a 10x10x10 ft concrete room*

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.320	0.416	0.302	0.234
0.015	0.155	0.225	0.168	0.120
0.02	0.164	0.240	0.175	0.132
0.03	0.150	0.224	0.166	0.126
0.04	0.151	0.219	0.167	0.126
0.05	0.136	0.193	0.150	0.118
0.06	0.157	0.221	0.175	0.138
0.07	0.180	0.249	0.196	0.155
0.08	0.178	0.245	0.195	0.155
0.1	0.183	0.251	0.201	0.161
0.15	0.234	0.322	0.261	0.210
0.2	0.221	0.303	0.247	0.197
0.3	0.254	0.351	0.286	0.228
0.4	0.251	0.351	0.279	0.220
0.5	0.301	0.421	0.337	0.268
0.6	0.239	0.332	0.275	0.210
0.8	0.232	0.326	0.275	0.205
1	0.228	0.321	0.275	0.199
2	0.210	0.296	0.233	0.181
4	2.020	2.841	2.232	1.747
6	0.187	0.259	0.205	0.160
8	0.198	0.272	0.215	0.169
10	0.193	0.267	0.211	0.166

Table [SEQ Table * ARABIC]: Room ratios for contamination at 15 cm depth in a 50x50x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
ENERGY	Average	Center	Wall	Corner
0.01	0.514	0.617	0.390	0.267
0.015	0.311	0.404	0.252	0.159
0.02	0.365	0.474	0.291	0.185
0.03	0.363	0.463	0.291	0.184
0.04	0.367	0.464	0.296	0.189
0.05	0.331	0.414	0.269	0.176
0.06	0.381	0.471	0.317	0.206
0.07	0.428	0.524	0.359	0.240
0.08	0.424	0.518	0.363	0.238
0.1	0.431	0.521	0.367	0.246
0.15	0.552	0.666	0.464	0.323
0.2	0.519	0.627	0.437	0.300
0.3	0.596	0.721	0.508	0.342
0.4	0.592	0.718	0.499	0.336
0.5	0.711	0.865	0.596	0.398
0.6	0.564	0.689	0.470	0.315
0.8	0.551	0.677	0.454	0.300
1	0.543	0.673	0.449	0.293
2	0.509	0.641	0.417	0.271
4	5.042	6.413	4.119	2.629
6	0.470	0.605	0.387	0.246
8	0.502	0.651	0.409	0.262

Table [SEQ Table * ARABIC]: Room ratios for contamination at 15 cm depth in a 100x100x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.545	0.657	0.396	0.265
0.015	0.346	0.423	0.253	0.159
0.02	0.417	0.505	0.306	0.185
0.03	0.426	0.504	0.306	0.191
0.04	0.434	0.513	0.317	0.199
0.05	0.392	0.458	0.295	0.182
0.06	0.454	0.529	0.348	0.220
0.07	0.509	0.592	0.389	0.250
0.08	0.506	0.583	0.387	0.249
0.1	0.513	0.587	0.400	0.262
0.15	0.656	0.753	0.515	0.340
0.2	0.618	0.707	0.482	0.320
0.3	0.709	0.821	0.542	0.361
0.4	0.704	0.806	0.542	0.357
0.5	0.843	0.966	0.652	0.428
0.6	0.669	0.767	0.511	0.333
0.8	0.655	0.755	0.494	0.321
1	0.647	0.746	0.488	0.311
2	0.610	0.712	0.456	0.286
4	6.067	7.139	4.476	2.780
6	0.570	0.674	0.419	0.259
8	0.609	0.721	0.446	0.278
10	0.602	0.714	0.439	0.273

Table [SEQ Table * ARABIC]: Room ratios for contamination at 15 cm depth in a 200x200x20 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.305	0.748	0.390	0.358
0.015	0.250	0.434	0.251	0.160
0.02	0.355	0.518	0.306	0.186
0.03	0.409	0.548	0.326	0.192
0.04	0.432	0.552	0.335	0.205
0.05	0.395	0.491	0.308	0.190
0.06	0.460	0.570	0.364	0.223
0.07	0.515	0.627	0.406	0.259
0.08	0.510	0.619	0.408	0.259
0.1	0.517	0.620	0.418	0.263
0.15	0.659	0.783	0.528	0.342
0.2	0.618	0.733	0.492	0.322
0.3	0.709	0.842	0.560	0.366
0.4	0.703	0.836	0.552	0.356
0.5	0.843	1.006	0.658	0.429
0.6	0.668	0.795	0.518	0.339
0.8	0.653	0.779	0.504	0.321
1	0.646	0.774	0.495	0.316
2	0.610	0.741	0.462	0.288
4	6.077	7.463	4.565	2.809
6	0.571	0.708	0.427	0.263
8	0.611	0.761	0.457	0.280
10	0.604	0.753	0.452	0.278

Table [SEQ Table * ARABIC]: Room ratios for contamination at 15 cm depth in a 400x400x40 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.155	0.760	0.331	0.195
0.015	0.153	0.488	0.238	0.140
0.02	0.265	0.526	0.298	0.174
0.03	0.370	0.556	0.350	0.200
0.04	0.419	0.582	0.349	0.218
0.05	0.392	0.531	0.326	0.197
0.06	0.460	0.609	0.379	0.235
0.07	0.515	0.664	0.427	0.270
0.08	0.510	0.658	0.427	0.267
0.1	0.514	0.658	0.433	0.271
0.15	0.651	0.822	0.543	0.348
0.2	0.609	0.759	0.506	0.332
0.3	0.696	0.867	0.577	0.373
0.4	0.690	0.862	0.567	0.367
0.5	0.827	1.035	0.676	0.437
0.6	0.656	0.820	0.534	0.345
0.8	0.642	0.804	0.517	0.332
1	0.635	0.794	0.510	0.315
2	0.601	0.759	0.469	0.290
4	6.009	7.689	4.621	2.864
6	0.566	0.729	0.434	0.265
8	0.606	0.784	0.464	0.284
10	0.600	0.775	0.461	0.279

Infinite Contamination Depth – Room Ratios

*Table [SEQ Table * ARABIC]; Room ratios for contamination at infinite depth in a 10x10x10 ft concrete room*

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.074	0.096	0.070	0.048
0.015	0.084	0.124	0.091	0.066
0.02	0.056	0.083	0.061	0.046
0.03	0.061	0.089	0.067	0.050
0.04	0.059	0.084	0.064	0.049
0.05	0.061	0.088	0.068	0.053
0.06	0.067	0.095	0.076	0.058
0.07	0.073	0.102	0.082	0.064
0.08	0.080	0.110	0.089	0.070
0.1	0.090	0.123	0.099	0.080
0.15	0.084	0.116	0.094	0.075
0.2	0.092	0.125	0.101	0.081
0.3	0.107	0.148	0.117	0.094
0.4	0.102	0.142	0.112	0.089
0.5	0.105	0.147	0.116	0.092
0.6	0.103	0.144	0.115	0.088
0.8	0.105	0.148	0.115	0.092
1	0.109	0.155	0.120	0.095
2	0.113	0.166	0.125	0.097
4	0.100	0.142	0.109	0.084
6	0.101	0.145	0.111	0.086
8	0.107	0.155	0.118	0.092
10	0.109	0.157	0.119	0.093

Table [SEQ Table * ARABIC]: Room ratios for contamination at infinite depth in a 50x50x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.224	0.285	0.168	0.113
0.015	0.323	0.414	0.267	0.164
0.02	0.235	0.306	0.191	0.118
0.03	0.271	0.352	0.220	0.140
0.04	0.261	0.330	0.214	0.136
0.05	0.275	0.343	0.227	0.148
0.06	0.301	0.372	0.251	0.167
0.07	0.326	0.401	0.274	0.182
0.08	0.351	0.429	0.297	0.198
0.1	0.393	0.479	0.331	0.226
0.15	0.371	0.449	0.319	0.216
0.2	0.400	0.486	0.333	0.231
0.3	0.466	0.564	0.390	0.263
0.4	0.446	0.538	0.370	0.248
0.5	0.458	0.551	0.380	0.254
0.6	0.447	0.543	0.369	0.245
0.8	0.451	0.549	0.367	0.242
1	0.469	0.572	0.387	0.251
2	0.483	0.596	0.394	0.260
4	0.420	0.519	0.339	0.224
6	0.425	0.524	0.344	0.227
8	0.453	0.557	0.367	0.242
10	0.458	0.565	0.368	0.246

Table [SEQ Table * ARABIC]: Room ratios for contamination at infinite depth in a 100x100x10 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.258	0.306	0.190	0.169
0.015	0.392	0.481	0.305	0.216
0.02	0.296	0.366	0.223	0.142
0.03	0.352	0.428	0.256	0.173
0.04	0.342	0.402	0.259	0.163
0.05	0.361	0.428	0.275	0.174
0.06	0.395	0.461	0.296	0.195
0.07	0.428	0.498	0.324	0.212
0.08	0.461	0.531	0.352	0.232
0.1	0.515	0.592	0.399	0.262
0.15	0.487	0.561	0.381	0.255
0.2	0.523	0.604	0.406	0.272
0.3	0.611	0.697	0.467	0.315
0.4	0.583	0.667	0.444	0.299
0.5	0.597	0.683	0.456	0.304
0.6	0.584	0.669	0.444	0.296
0.8	0.588	0.675	0.443	0.295
1	0.612	0.702	0.460	0.301
2	0.632	0.725	0.471	0.308
4	0.546	0.626	0.401	0.264
6	0.552	0.635	0.406	0.269
8	0.588	0.674	0.431	0.285
10	0.594	0.687	0.434	0.289

Table [SEQ Table * ARABIC]: Room ratios for contamination at infinite depth in a 200x200x20 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.152	0.318	0.191	0.162
0.015	0.295	0.515	0.334	0.210
0.02	0.265	0.421	0.251	0.148
0.03	0.354	0.505	0.291	0.169
0.04	0.360	0.456	0.280	0.168
0.05	0.385	0.481	0.293	0.181
0.06	0.421	0.514	0.330	0.222
0.07	0.455	0.565	0.355	0.230
0.08	0.490	0.596	0.390	0.257
0.1	0.546	0.659	0.435	0.287
0.15	0.514	0.617	0.414	0.270
0.2	0.553	0.659	0.441	0.293
0.3	0.643	0.761	0.505	0.334
0.4	0.613	0.726	0.482	0.317
0.5	0.629	0.747	0.492	0.321
0.6	0.615	0.733	0.480	0.314
0.8	0.618	0.732	0.478	0.313
1	0.644	0.758	0.497	0.323
2	0.664	0.790	0.507	0.325
4	0.576	0.687	0.434	0.282
6	0.582	0.697	0.444	0.290
8	0.620	0.739	0.466	0.301
10	0.626	0.747	0.477	0.304

Table [SEQ Table * ARABIC]: Room ratios for contamination at infinite depth in a 400x400x40 ft concrete room

ENERGY	AVERAGE	CENTER	WALL	CORNER
0.01	0.079	0.298	0.256	0.154
0.015	0.183	0.500	0.350	0.219
0.02	0.203	0.394	0.241	0.148
0.03	0.330	0.514	0.289	0.161
0.04	0.357	0.494	0.293	0.165
0.05	0.392	0.540	0.329	0.168
0.06	0.433	0.573	0.360	0.215
0.07	0.469	0.606	0.386	0.228
0.08	0.505	0.641	0.418	0.258
0.1	0.560	0.705	0.490	0.278
0.15	0.523	0.644	0.428	0.267
0.2	0.560	0.694	0.459	0.289
0.3	0.649	0.799	0.544	0.332
0.4	0.619	0.762	0.510	0.331
0.5	0.634	0.778	0.521	0.339
0.6	0.620	0.762	0.516	0.324
0.8	0.625	0.767	0.500	0.320
1	0.651	0.798	0.524	0.328
2	0.674	0.818	0.530	0.335
4	0.585	0.711	0.459	0.287
6	0.593	0.726	0.466	0.291
8	0.632	0.775	0.494	0.310
10	0.637	0.796	0.496	0.311